X-622-67-358

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AN ATLAS OF SPECTRA FROM 1.6 TO 5.4 MICRONS, AIRCRAFT MEASUREMENTS OVER NATURAL SURFACES AND ATMOSPHERES

W. A. HOVIS
M. TOBIN

AUGUST 1967

GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND

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INTRODUCTION

Between April 26 and June 17, 1966 a new type of spectrometer was flown in NASA's Convair 990 jet aircraft over a wide range of natural surface and atmospheric conditions. The spectrometer, described by Hovis, Kley and Strange (1), utilized a continuously variable interference filter wedge for wavelength discrimination from 1.6 to 5.4 microns. Spectral resolving power for the scans is nominally $\lambda/\Delta\lambda = 100$.

The spectrometer was mounted in the tail of the airplane and was unpressurized and unheated except during rapid descent when heat was applied to prevent condensation. Data was recorded, inside the pressurized cabin, on a strip chart recorder and later digitized utilizing a Concord X-Y digitizer.

The digitized data was reduced to corrected spectra with an IBM 360 computer with calibration curves obtained, in the laboratory, both before and after the flight.

The format chosen for presentation of the spectra is very similar to the manner in which it appears on the original recording. Energy is shown above and below a reference zero which corresponds to the reference black body in the instrument. Though the black body in the instrument was allowed to assume ambient temperature, all spectra have been reduced so that the zero line corresponds to 273°K. In the shorter wavelength section, 1.6 to 3 microns, the scale utilized for energy is compressed by a factor of ten from that used in the 3 to 5.4 micron interval. This allows the reflected solar energy to be shown on scale while showing some detail in the region where thermal emission predominates.

A short, descriptive, title is shown on each spectra as complete as available information allows. If a more complete position analysis is desired the reader may consult the publication "Support Data for Convair 990 Meteorological Flight I" (2).

A large number of spectra was taken, some of which were not considered of sufficient quality for publication. In almost all cases, inferior results were due to failure of the liquid nitrogen cooling system located in the tail of the aircraft. The spectra presented here have been partially interpreted and reported by Hovis and Tobin (3). But it is felt that rather than withhold all data for interpretation before publication it is desirable to release the data for use by any

interested persons at this time. A word of caution is in order concerning the data from 2.5 to 3 microns. Due to the water vapor bands in that spectral region little energy was seen and no useful information has been determined, to date, from that region. The 2.5 to 3 micron interval has been left in for continuity but should be used with caution. A second Convair 990 flight has already been completed eliminating that interval and scanning from 1.2 to 2.4 and 3.2 to 6.4 microns. These spectra are of higher quality and greater number than shown here and will be released as soon as reduced.

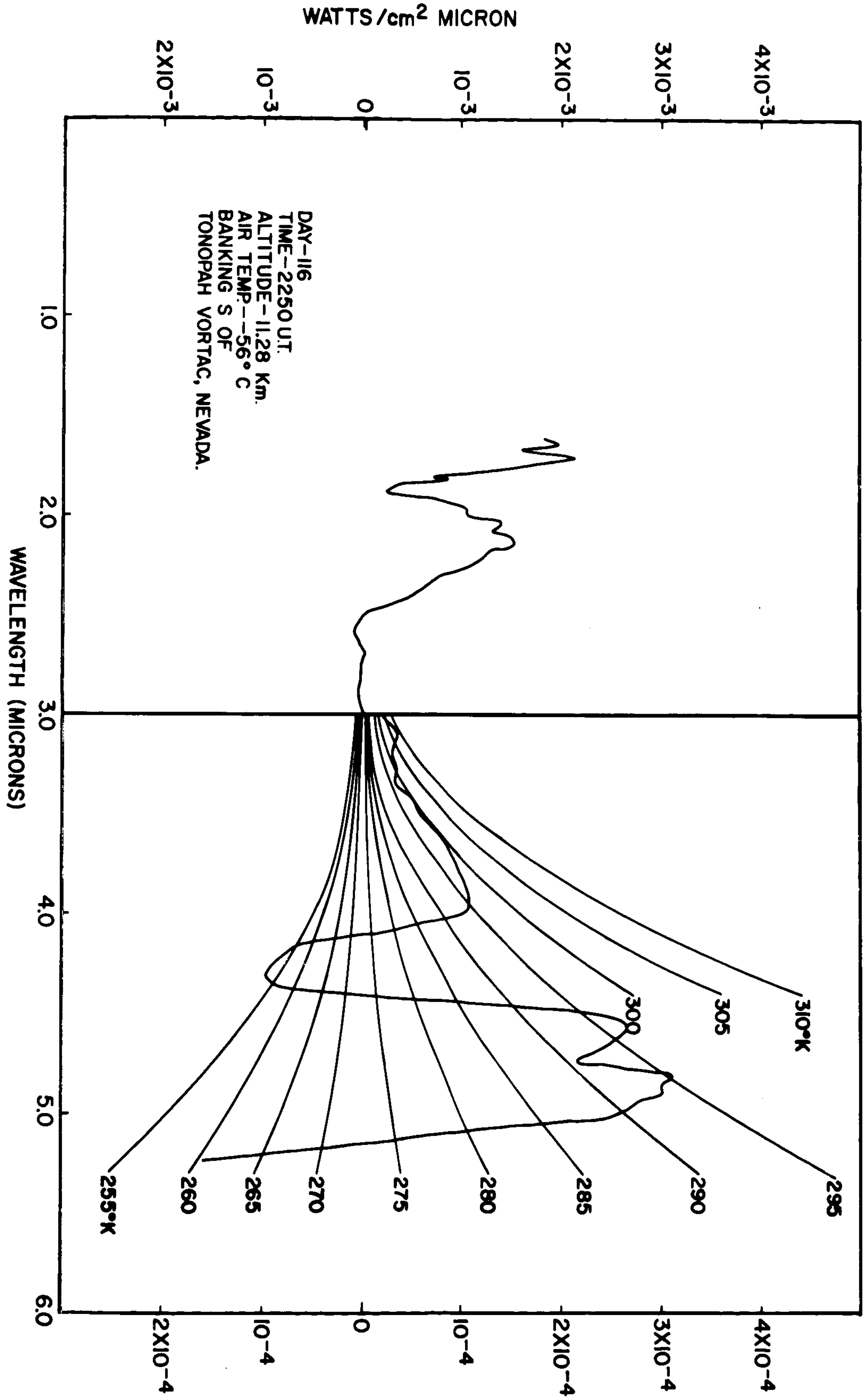
The spectra are presented in chronological order with the day and universal time noted on each. Both the raw data and the tapes of reduced spectra have been preserved and may, in a case of special need, be consulted by contacting the author.

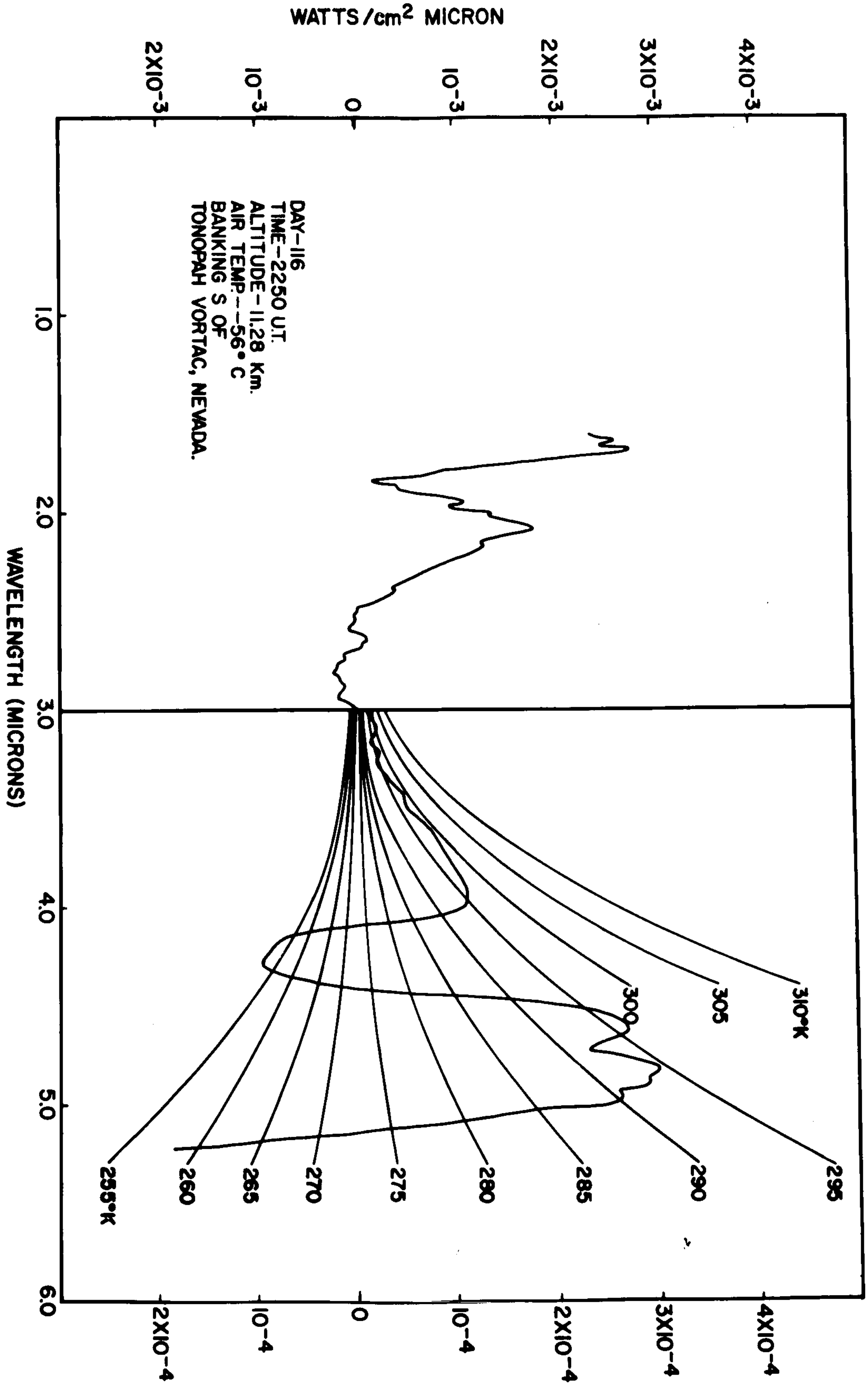
REFERENCES

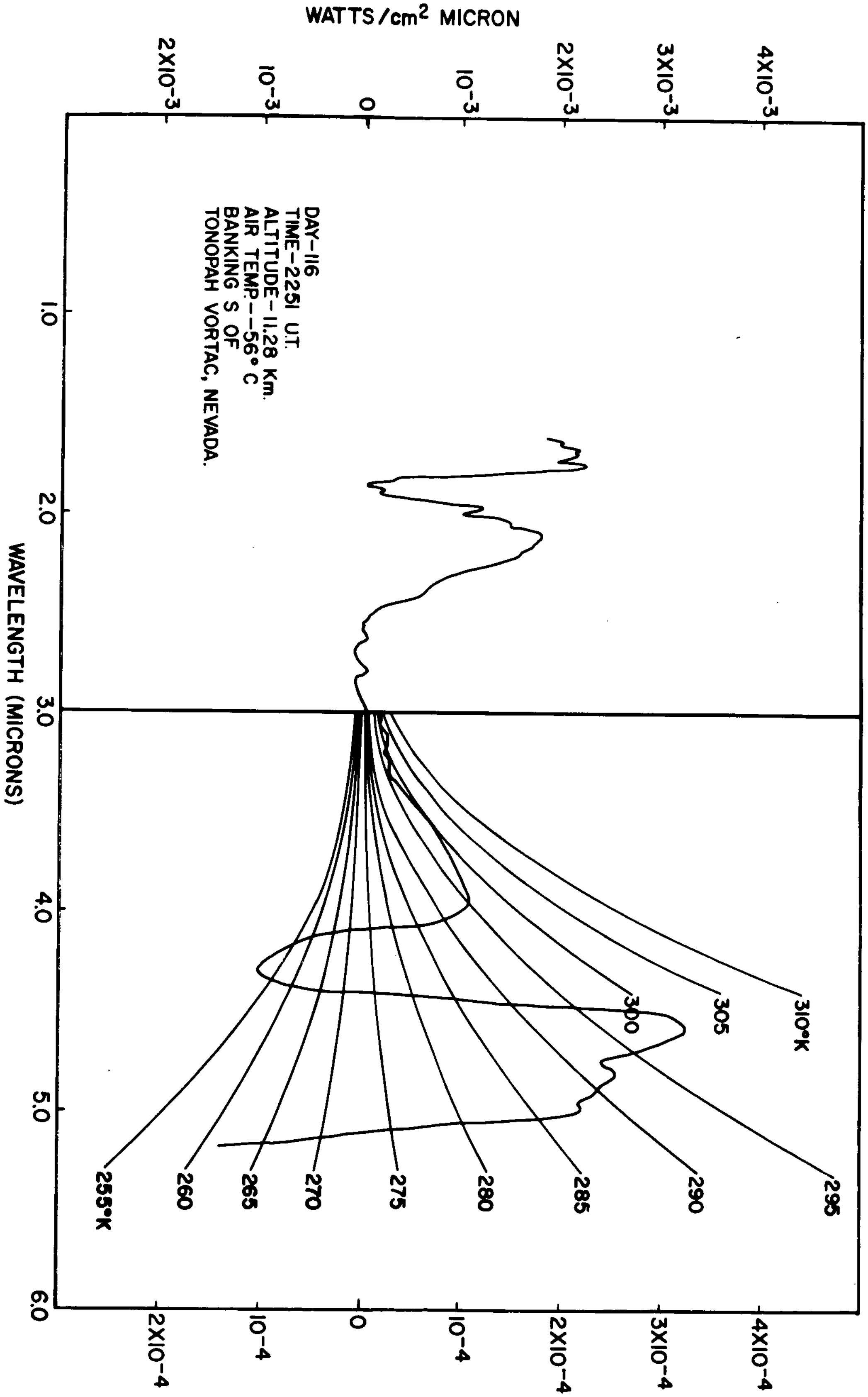
1. Hovis, W. A., Kley, W. A. and Strange, M. G., Applied Optics, Vol. 6, No. 6, 1057-1058 (1967).

2. Tobin, M. S., NASA-GSFC, X-622-67-32, (1967).

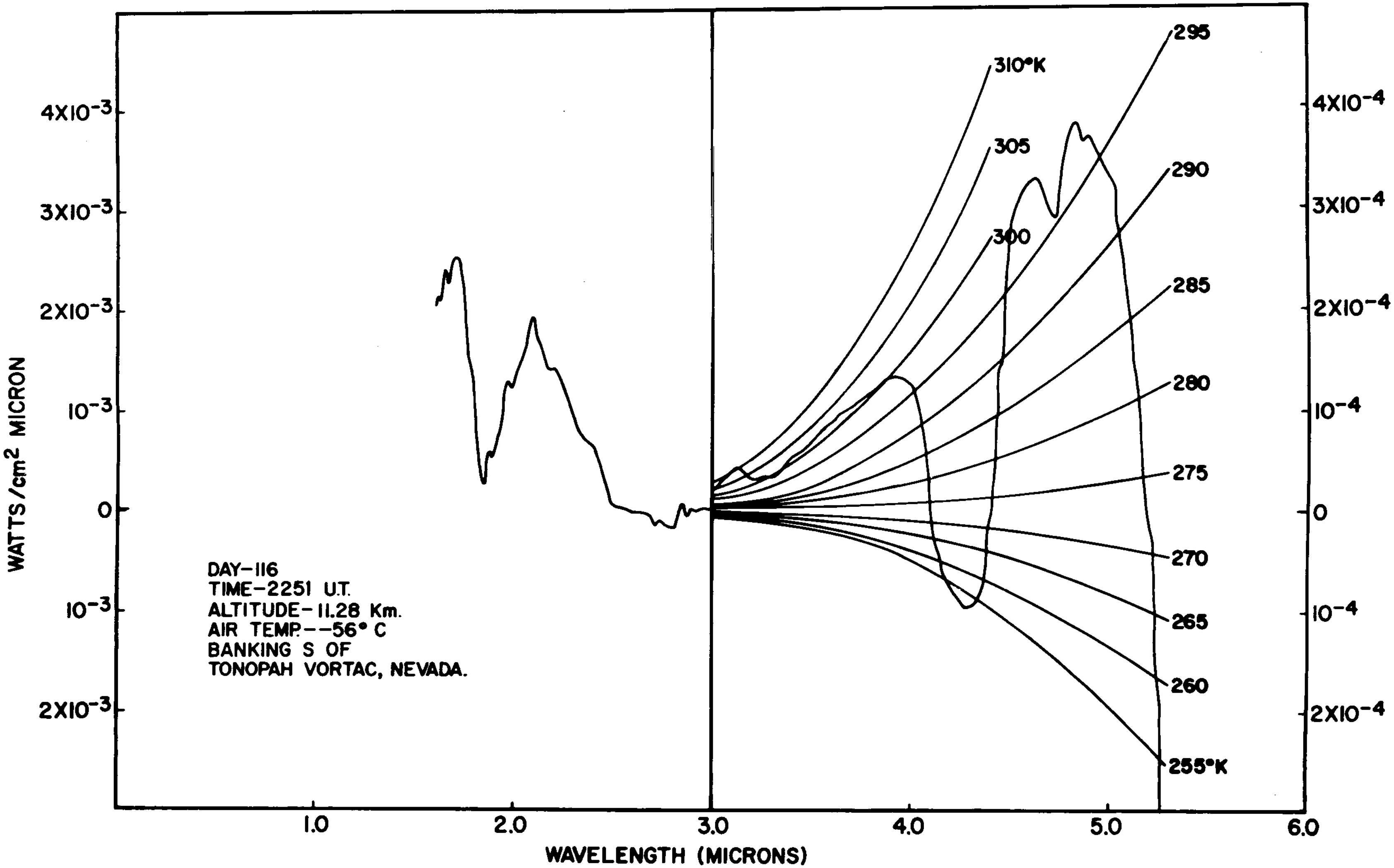
3. Hovis, W. A., and Tobin, M., NASA-GSFC, X-622-67-18 and Applied Optics, in Press.


WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-116
TIME-2250 U.T.
ALTITUDE-11.28 Km.
AIR TEMP--56° C
BANKING S OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

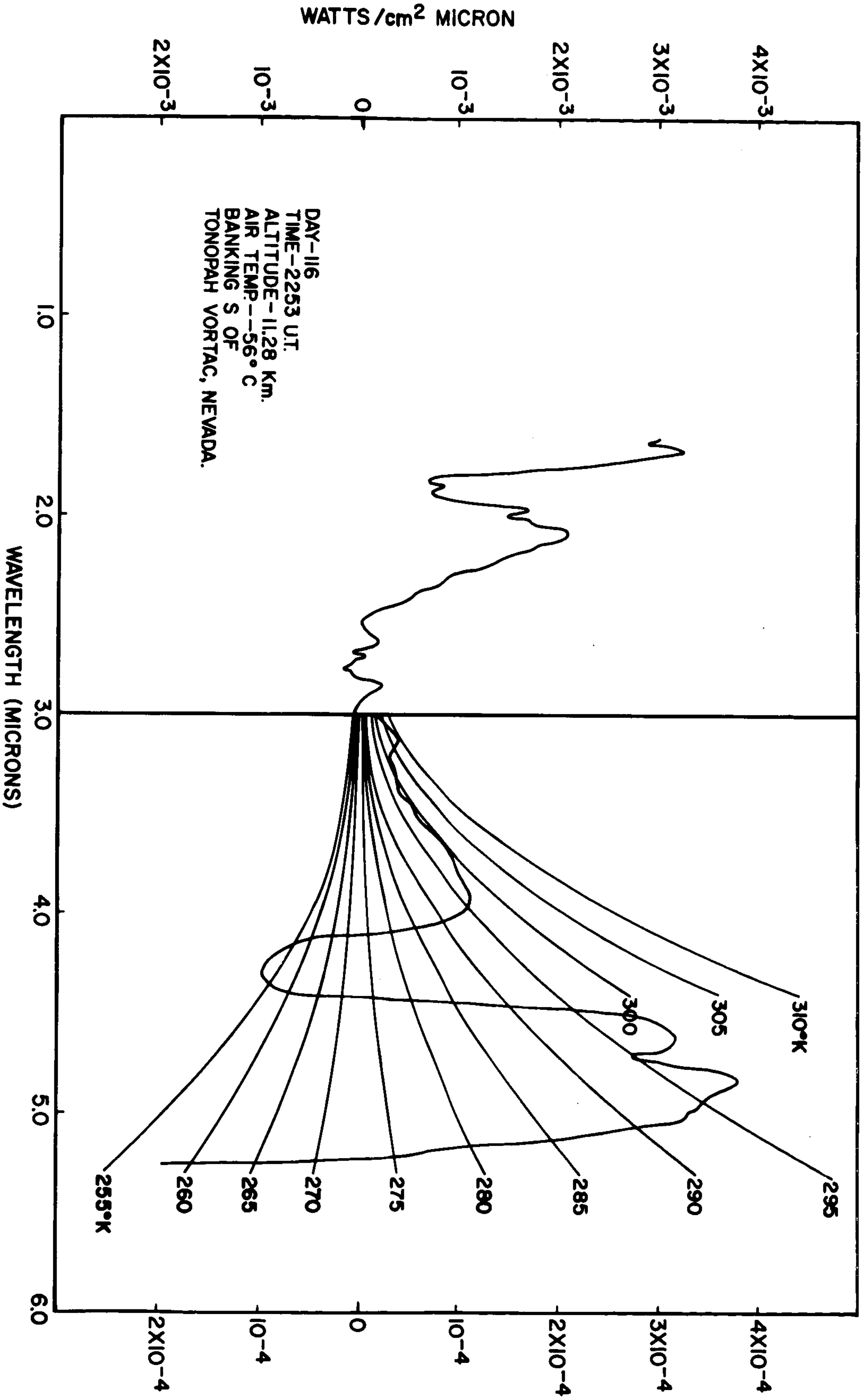

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2250 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
BANKING S OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



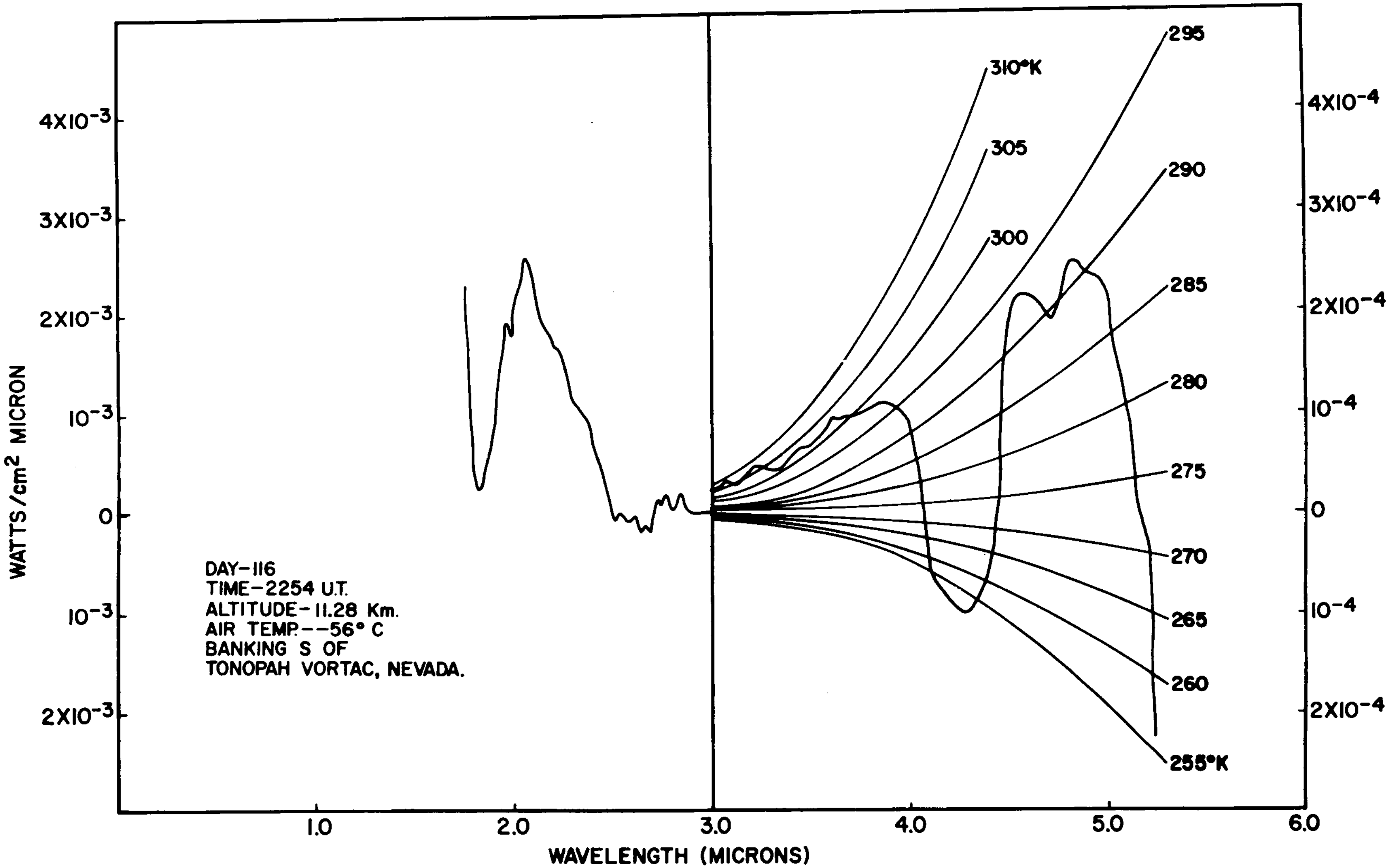
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2251 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
BANKING S. OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

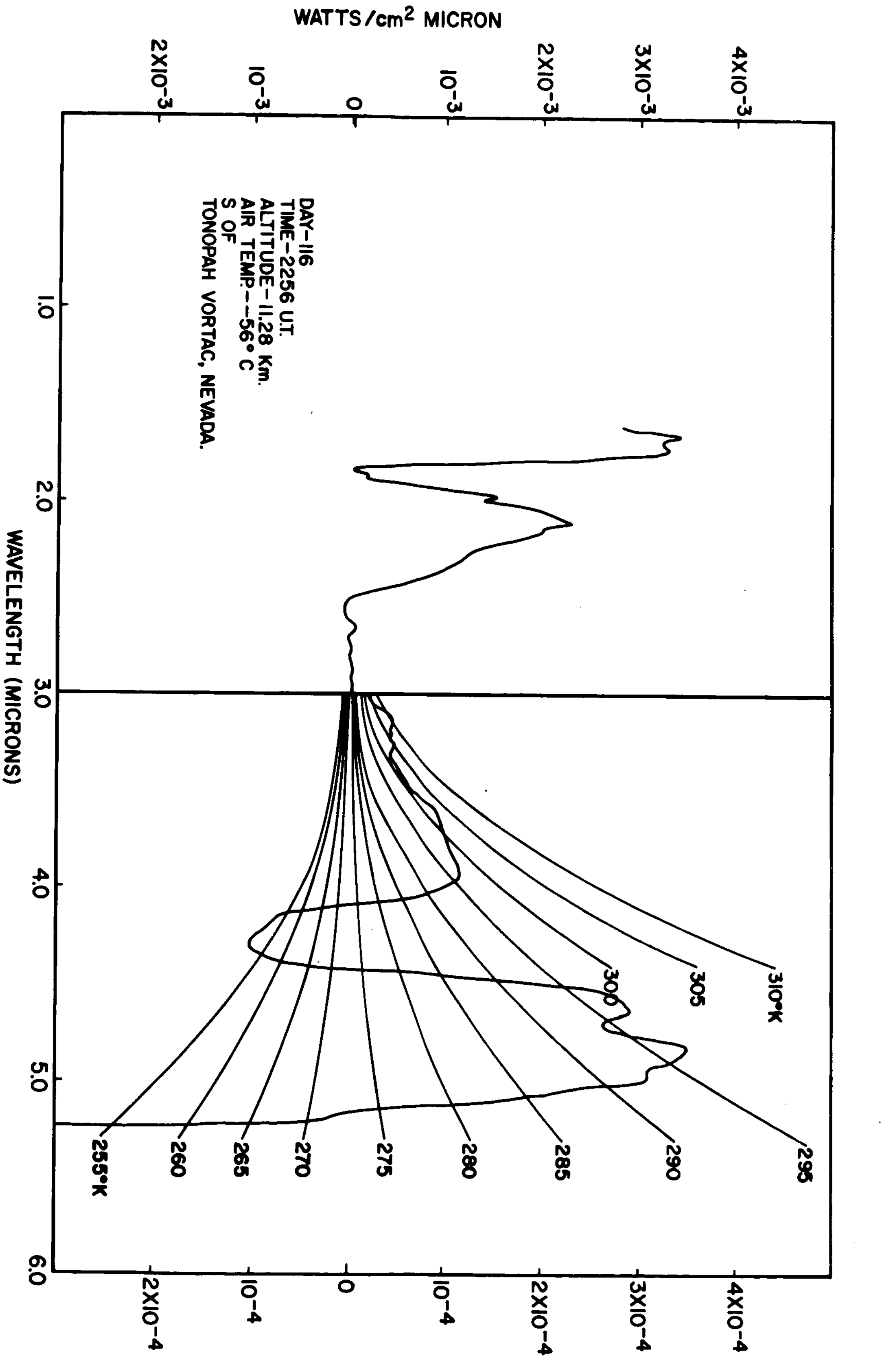


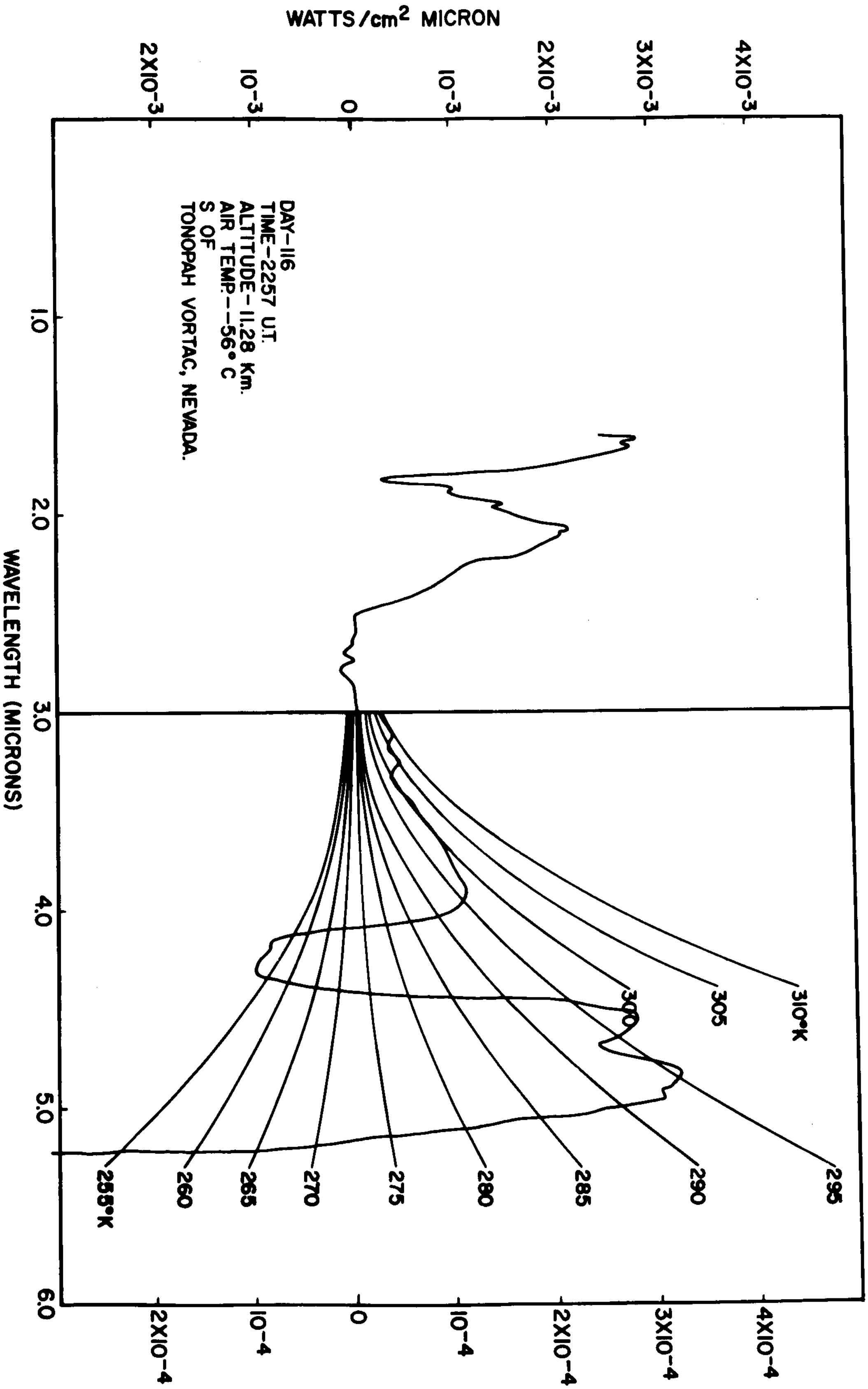
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-116
TIME-2251 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
BANKING S OF
TONOPAH VORTAC, NEVADA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)



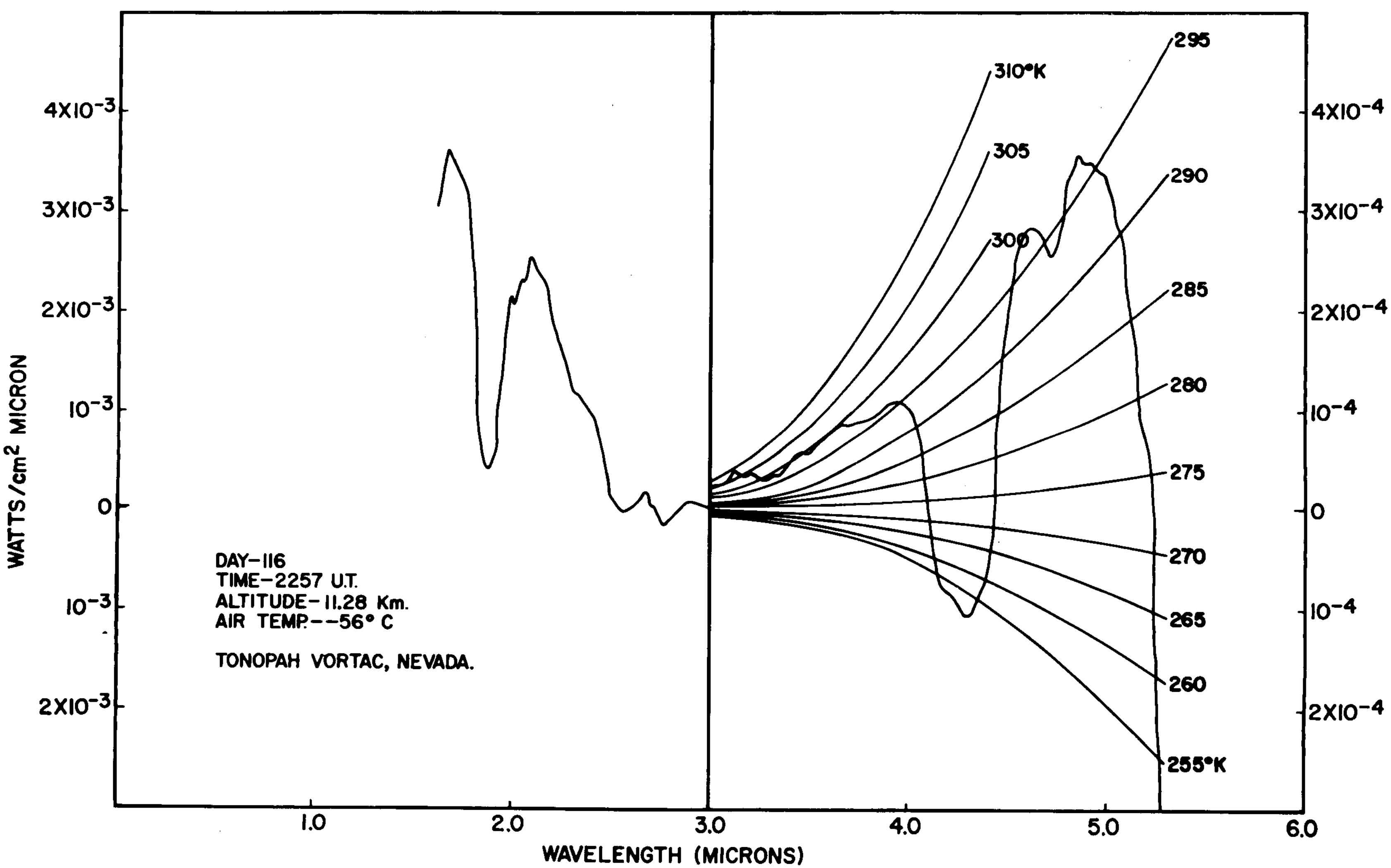
WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-116
TIME-2253 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
BANKING S OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2254 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
BANKING S OF
TONOPAH VORTAC, NEVADA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

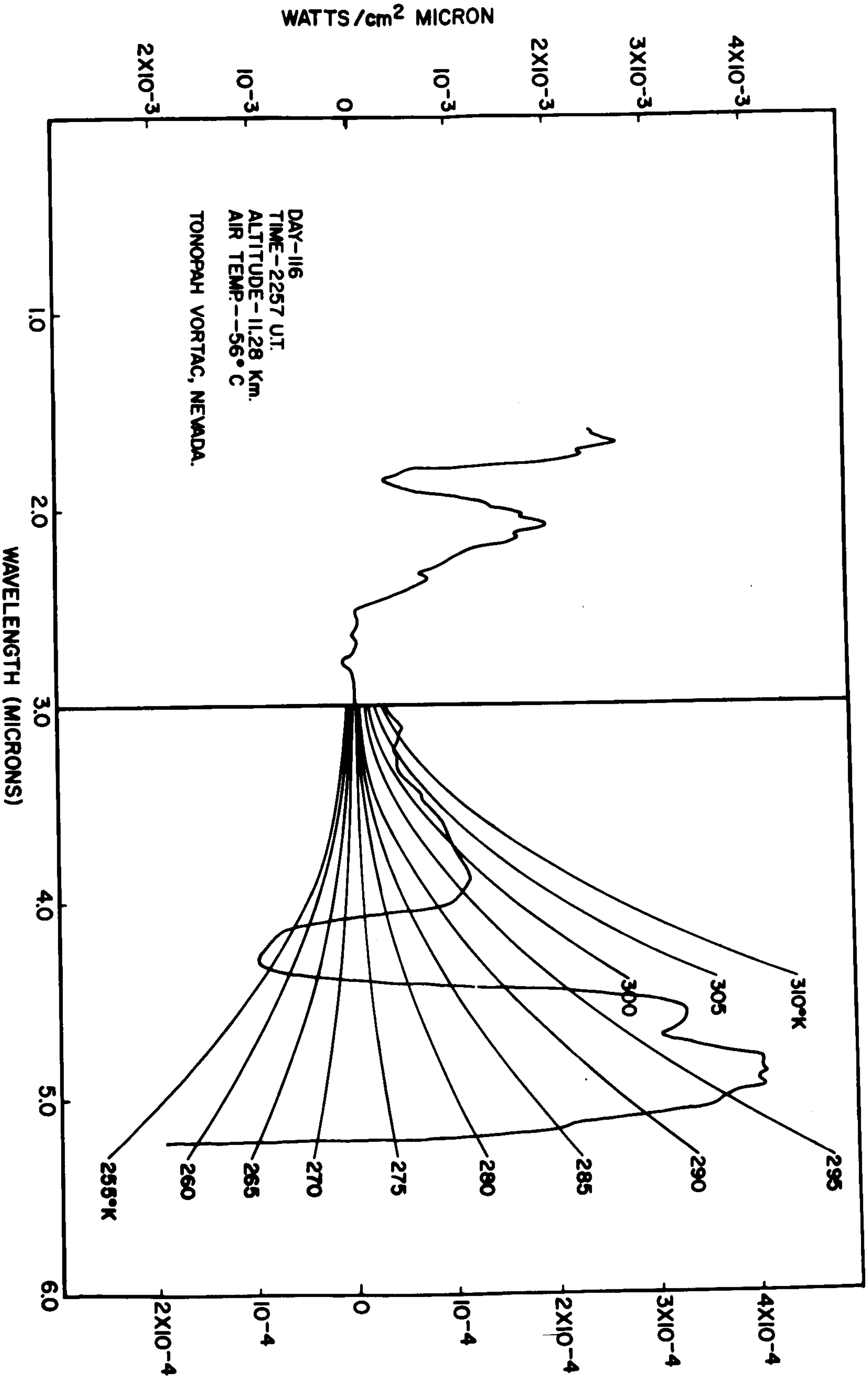

WATTS/cm^2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2256 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
S OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

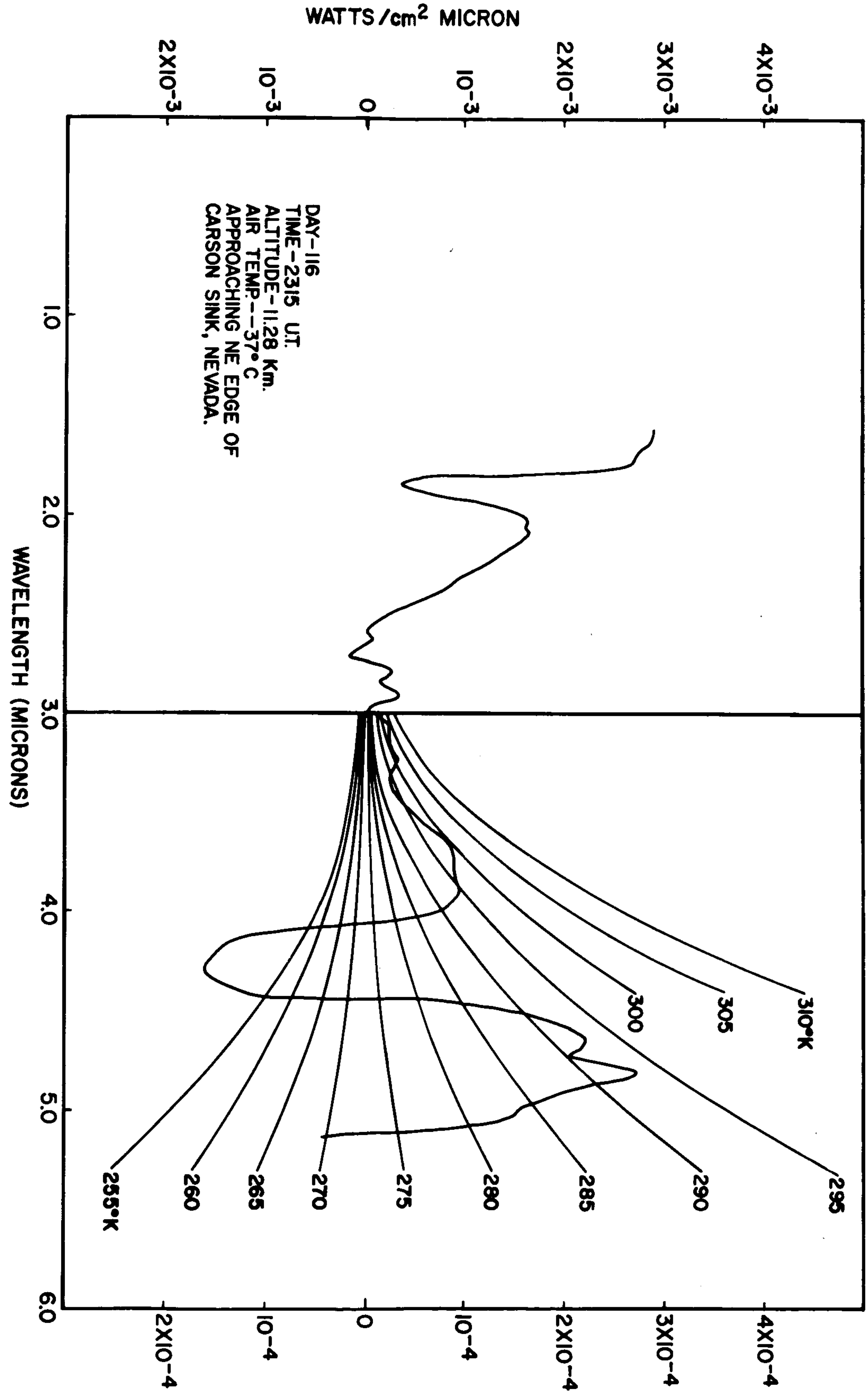


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2257 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
S OF
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

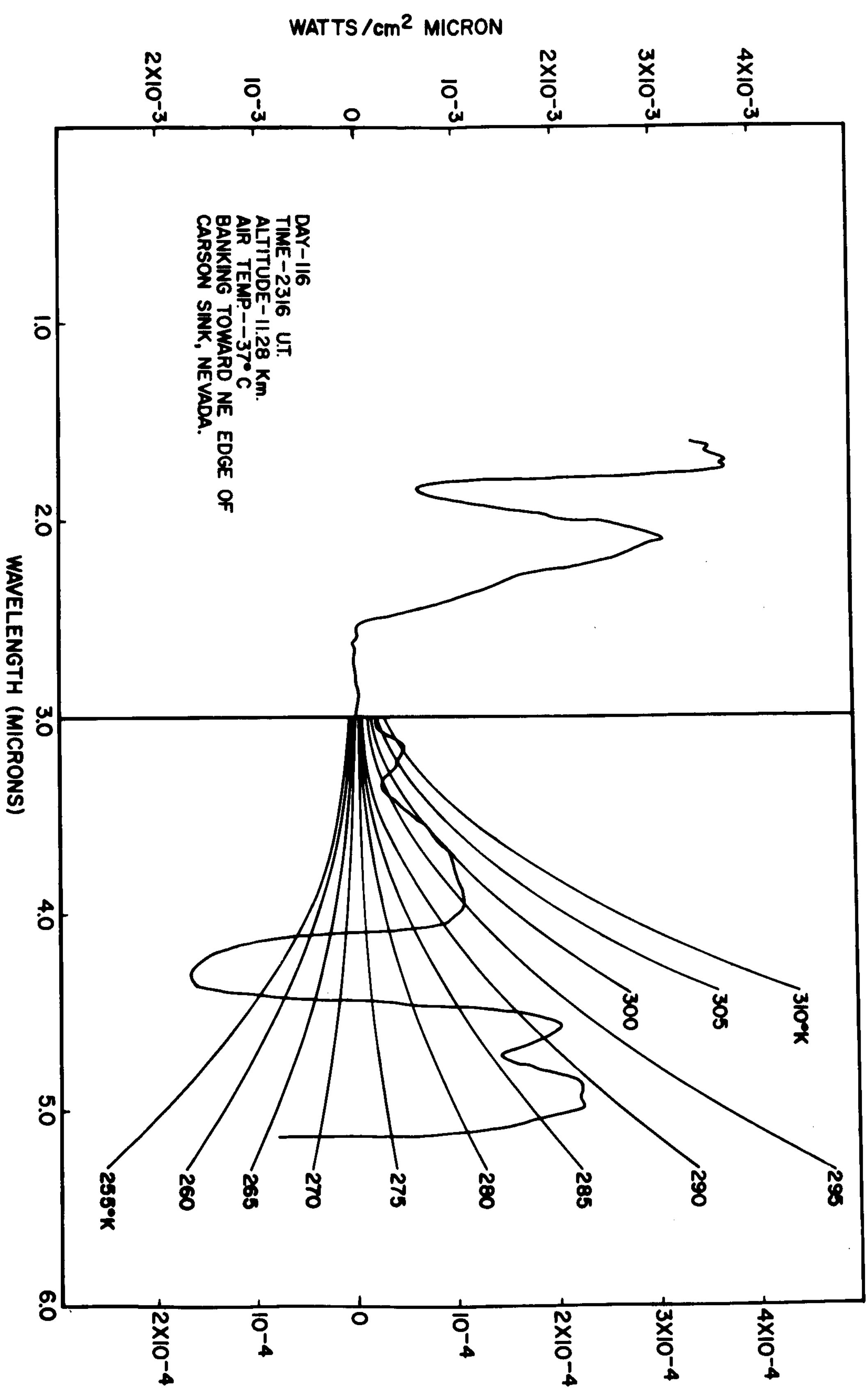


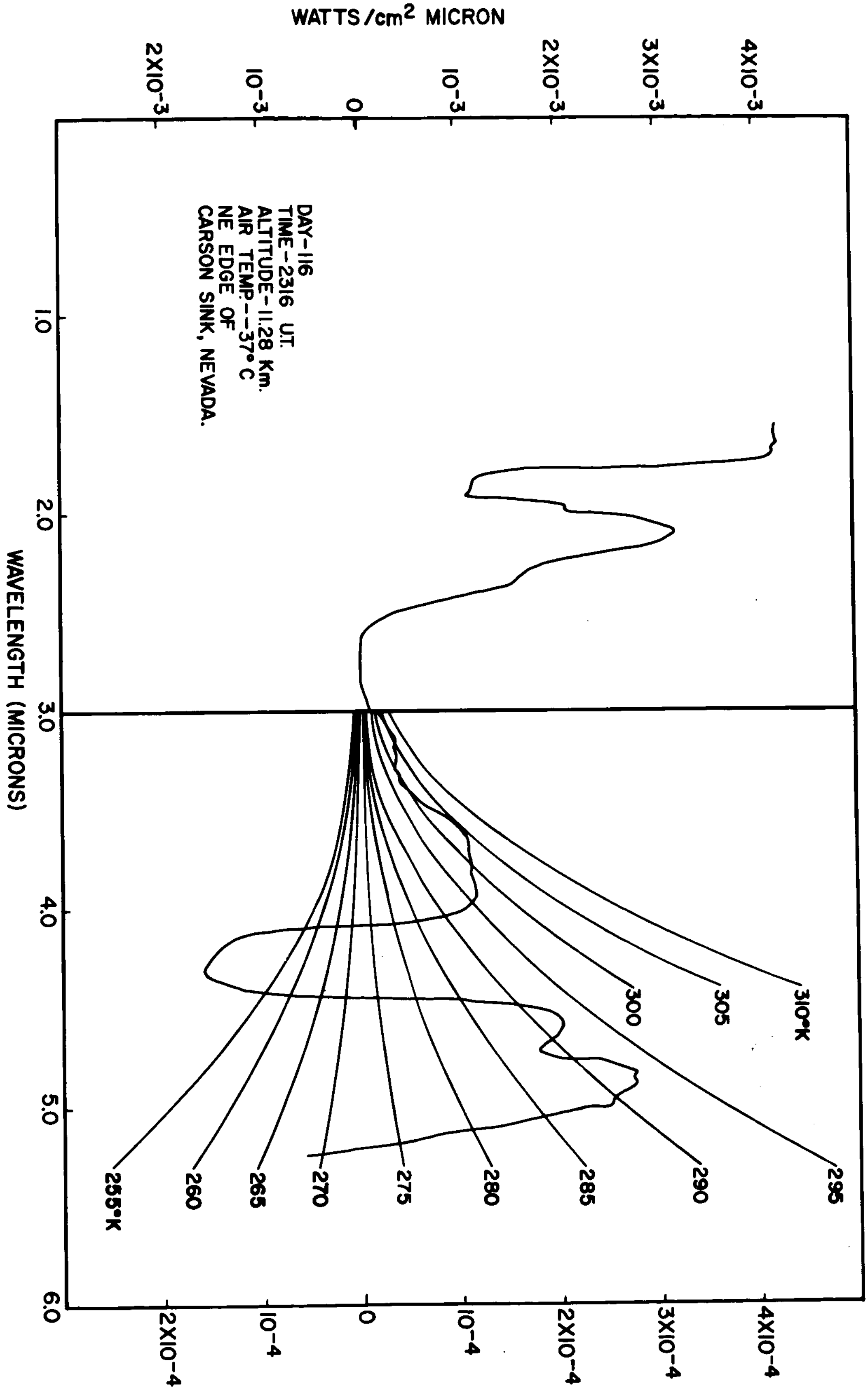
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
DAY-116
TIME-2257 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
TONOPAH VORTAC, NEVADA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K

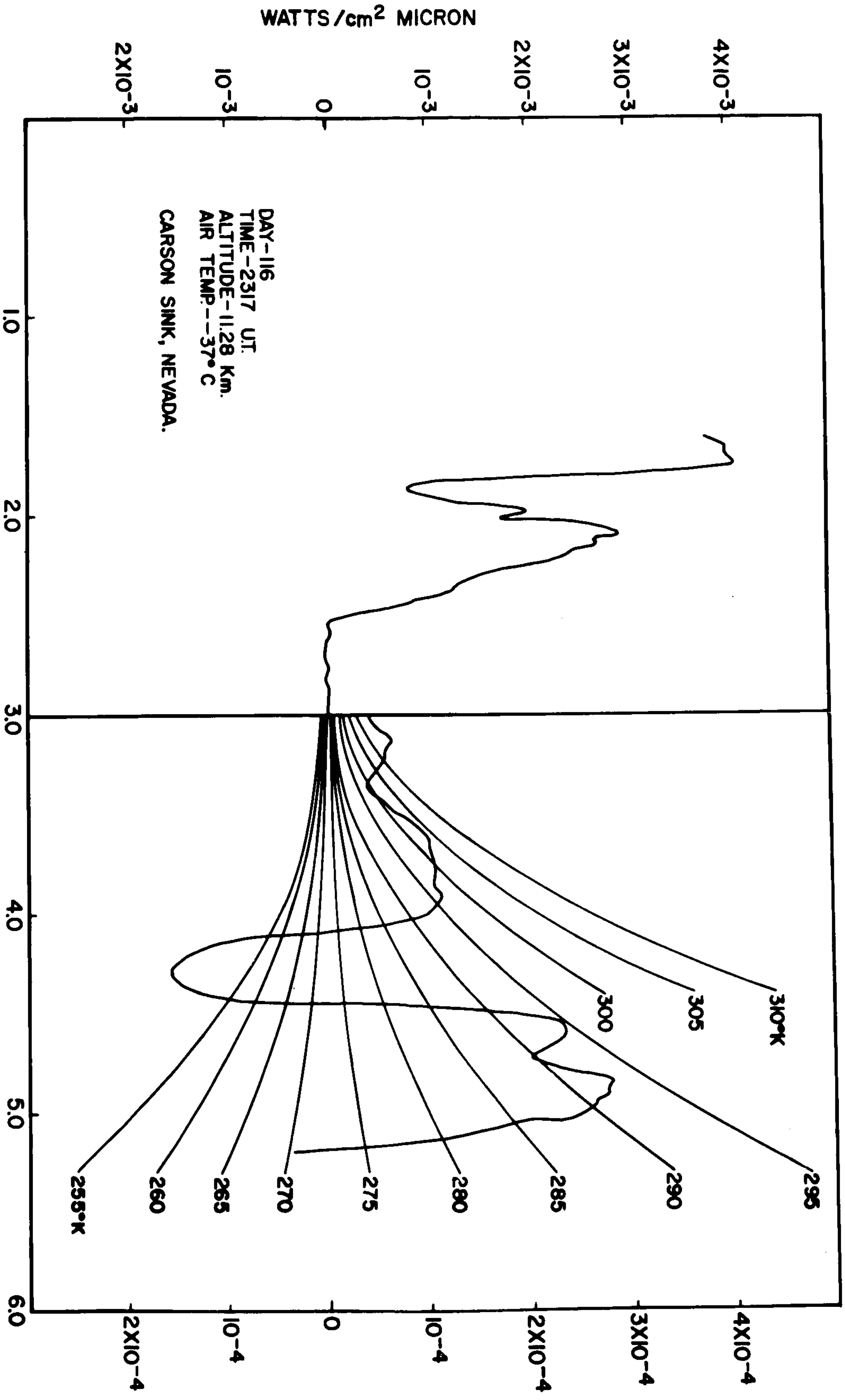

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2257 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--56° C
TONOPAH VORTAC, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



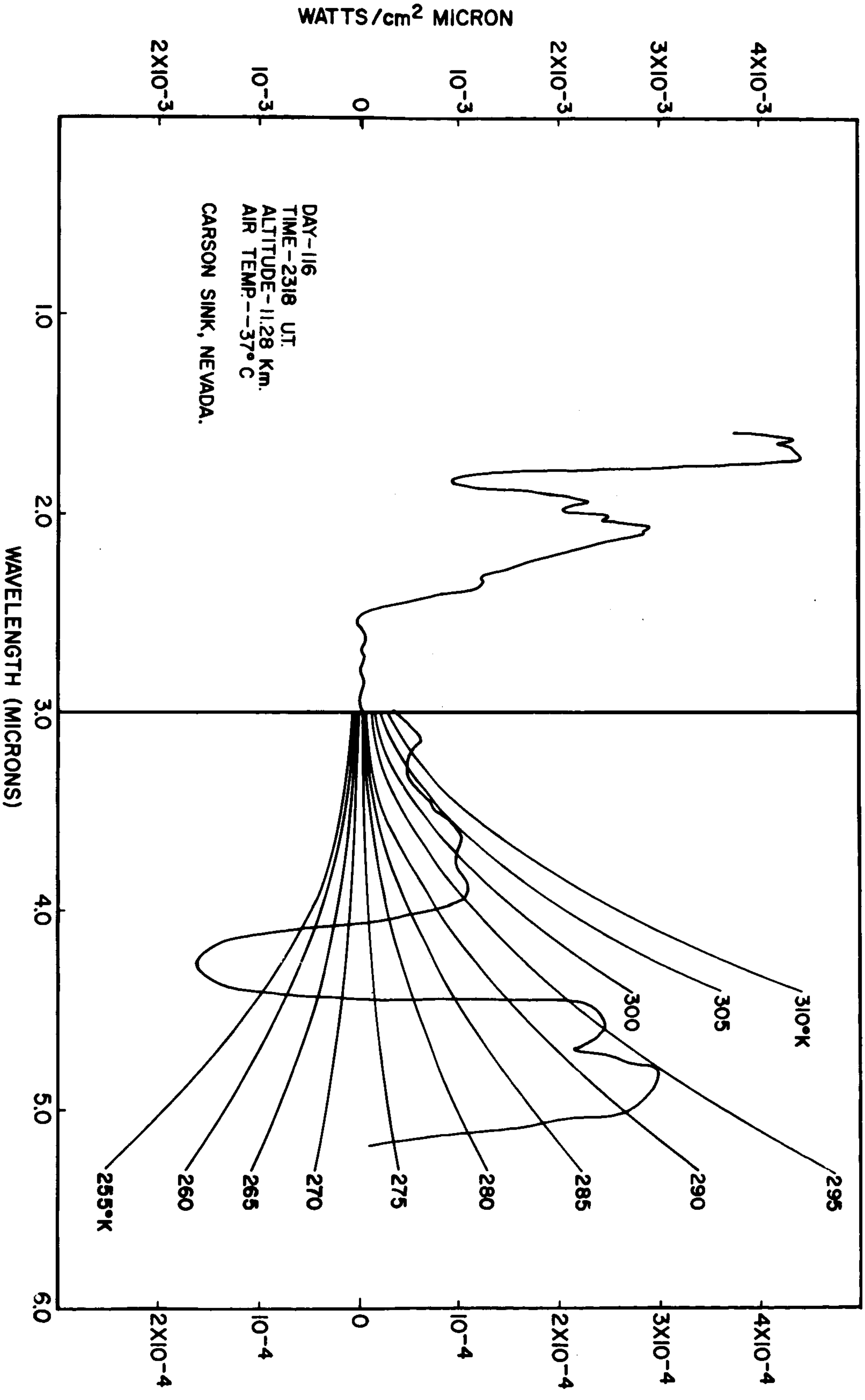
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2315 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
APPROACHING NE EDGE OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2316 UT.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
BANKING TOWARD NE EDGE OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

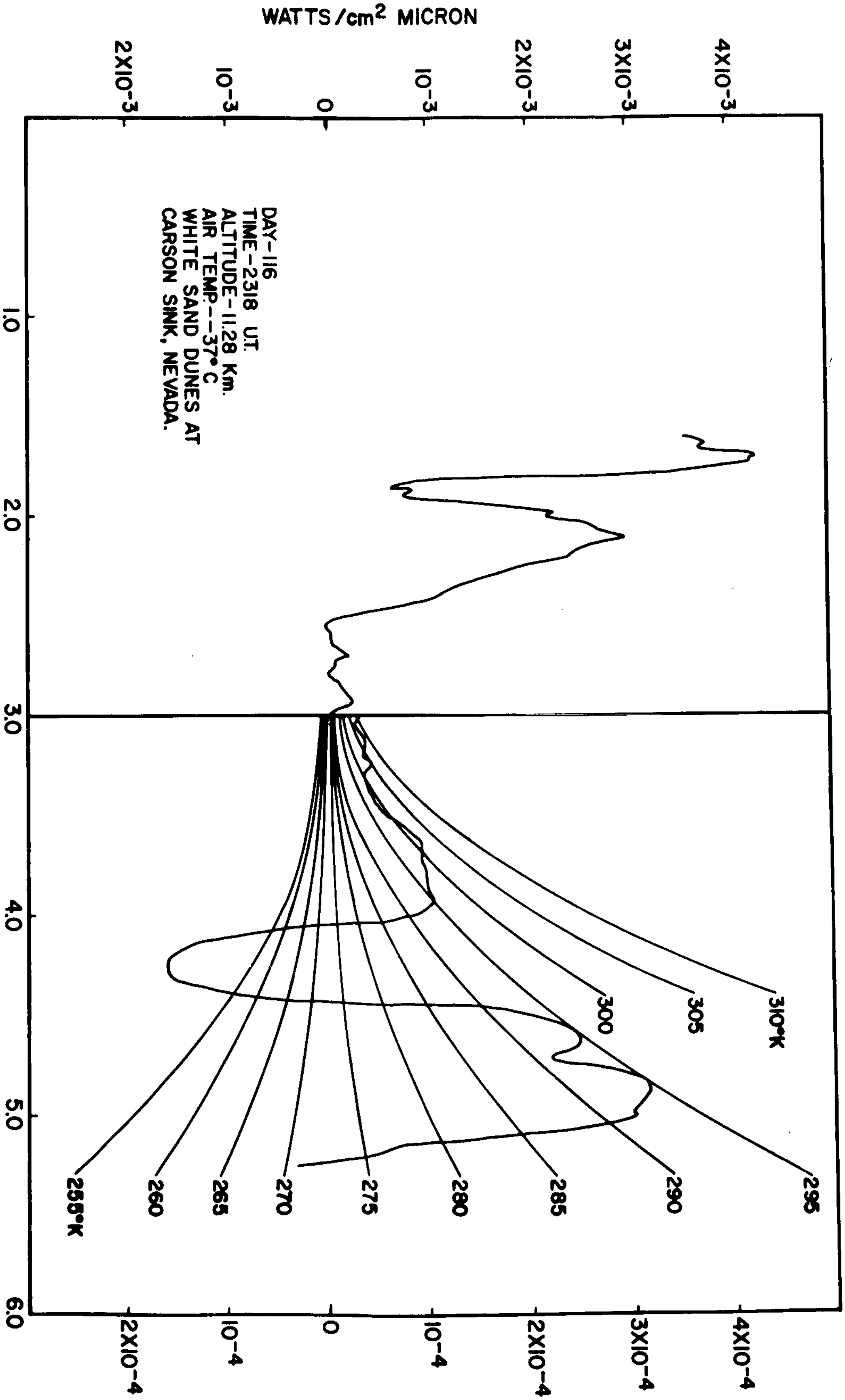

WATTS / cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2316 U.T.
ALTITUDE-11.28 Km.
AIR TEMP--37°C
NE EDGE OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



WATTS/cm² MICRON
DAY-116
TIME-2317 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
CARSON SINK, NEVADA.
WAVELENGTH (MICRONS)
1.0
2.0
3.0
4.0
5.0
6.0
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
310°K
305
300
295
290
285
280
275
270
265
260
255°K



WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2318 U.T.
ALTITUDE-11.28 Km.
AIR TEMP--37° C
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4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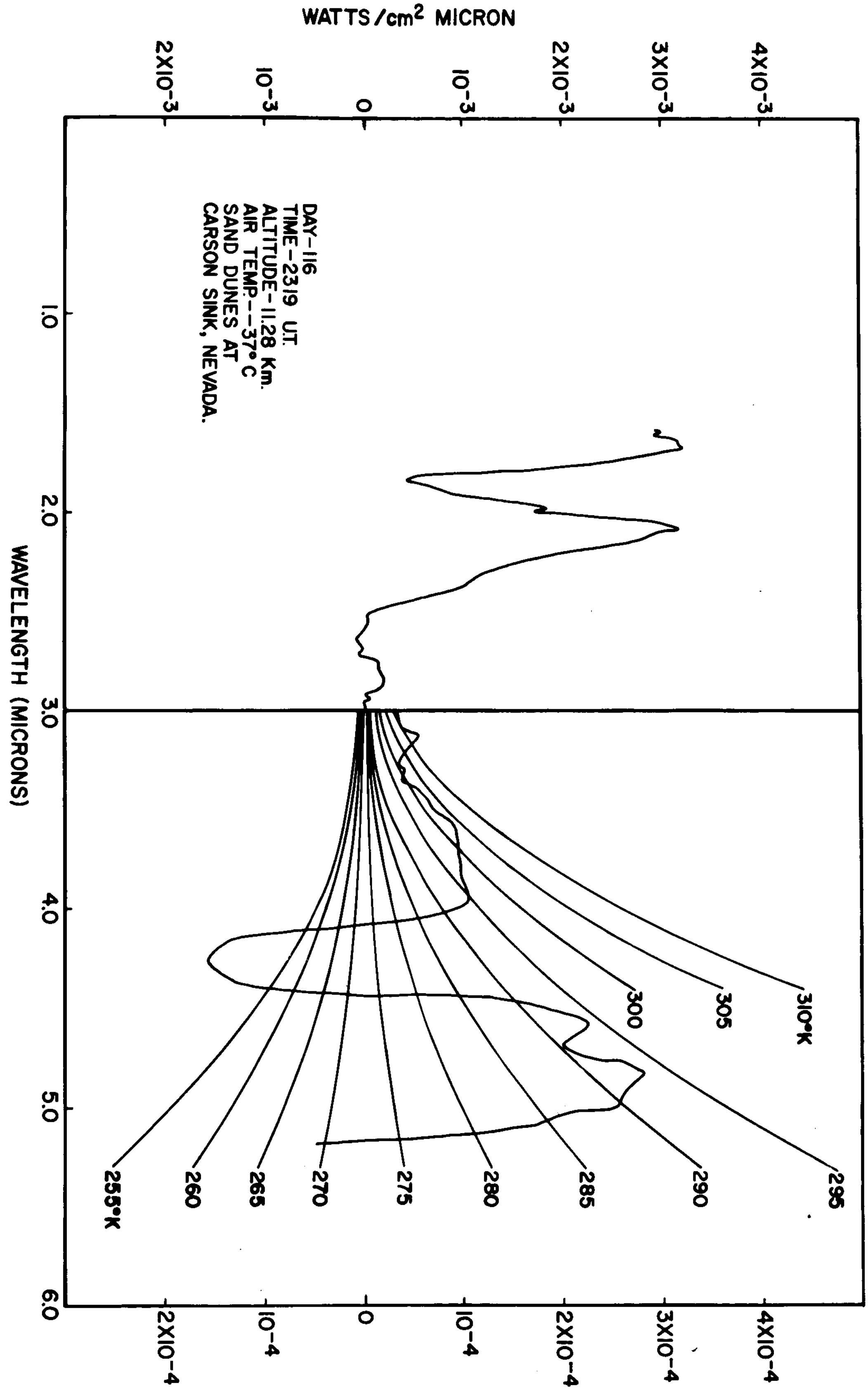
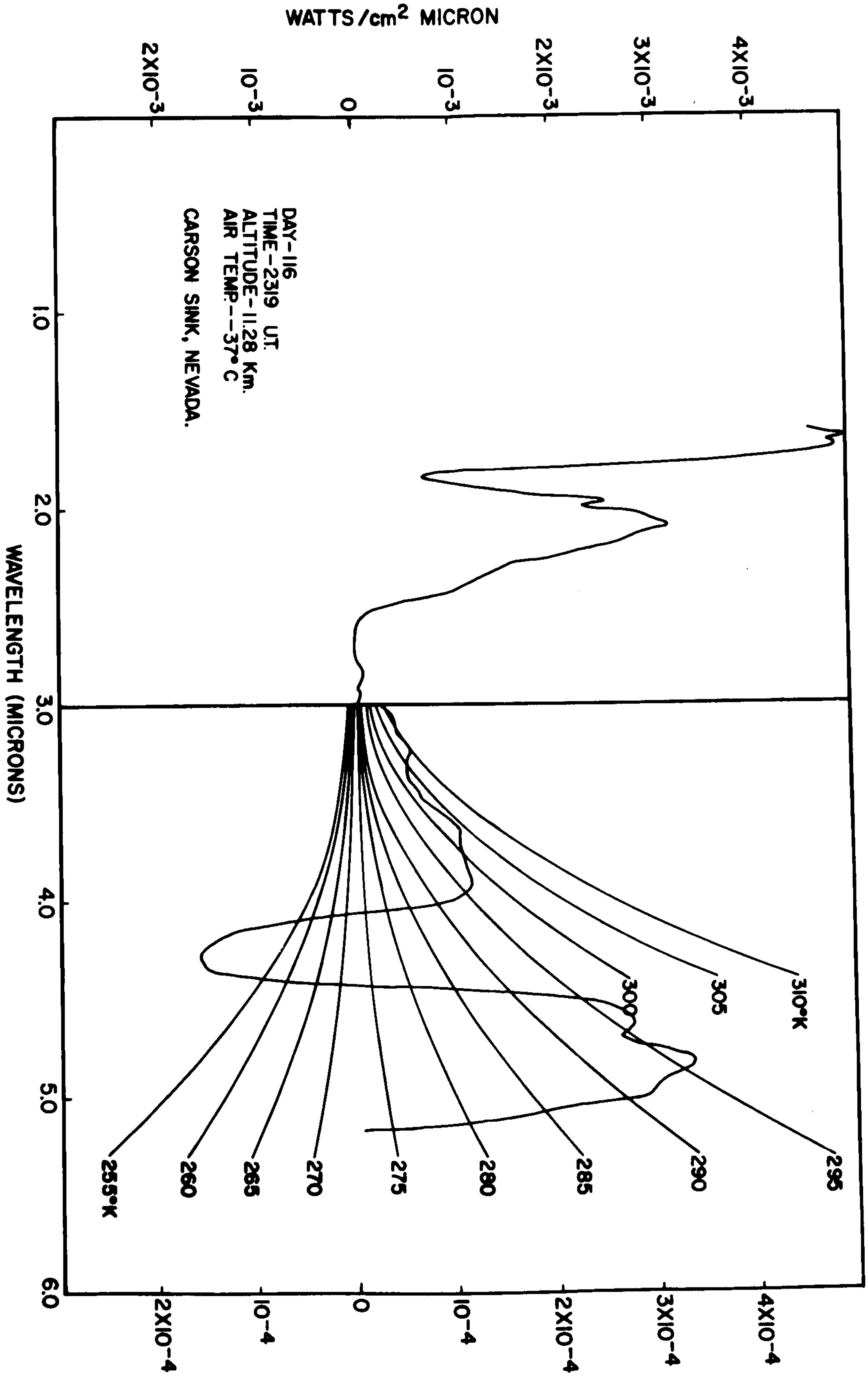
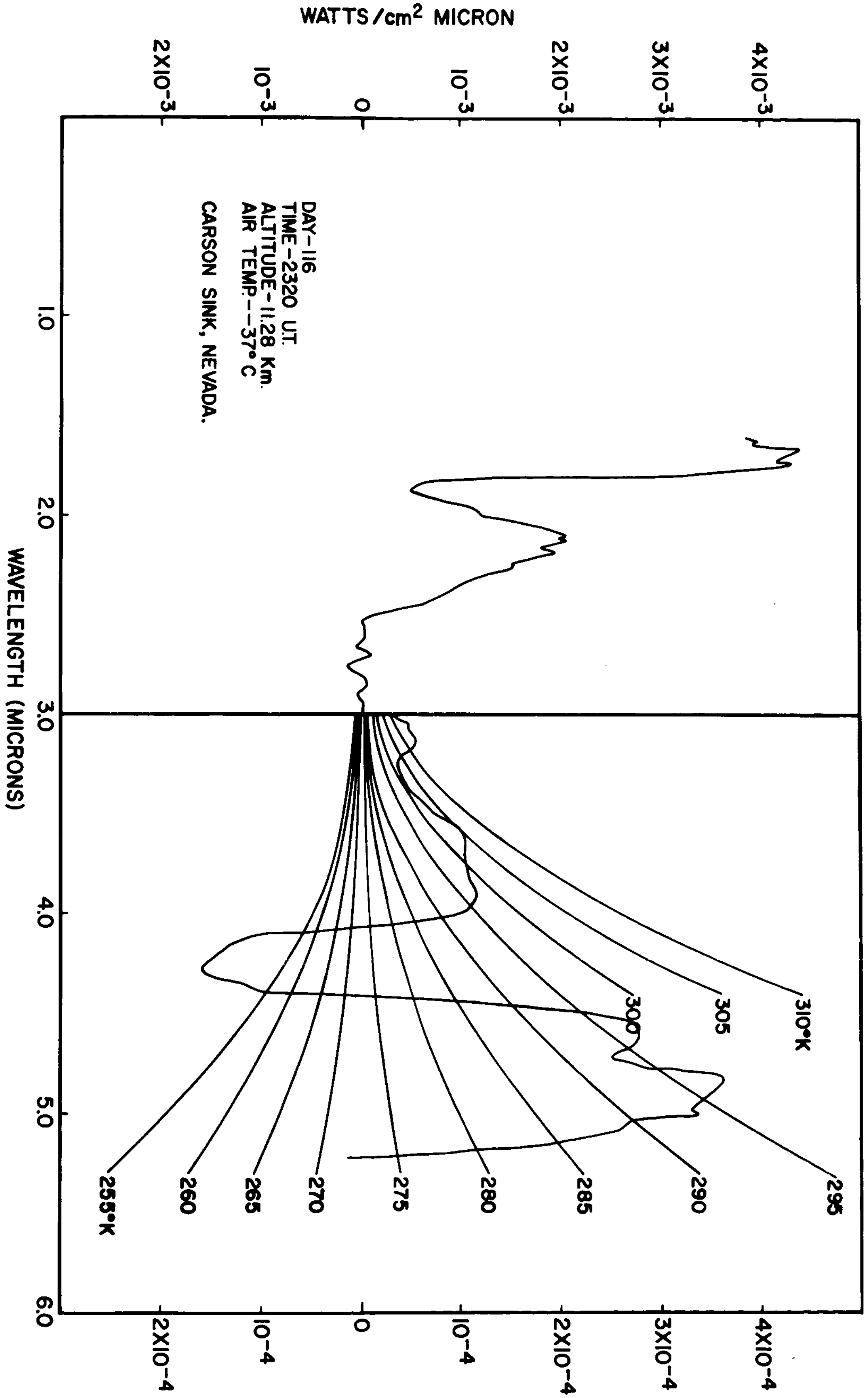
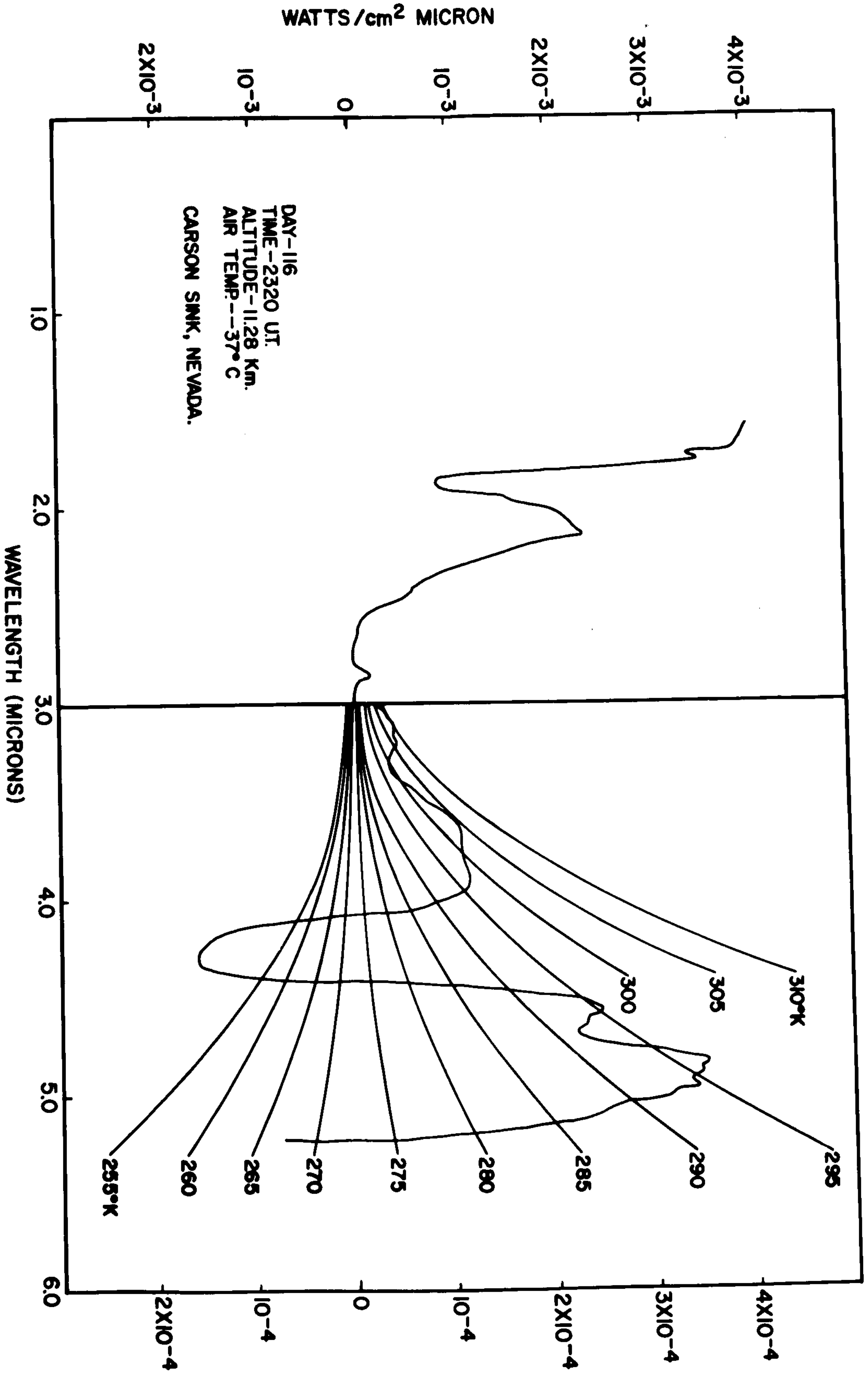
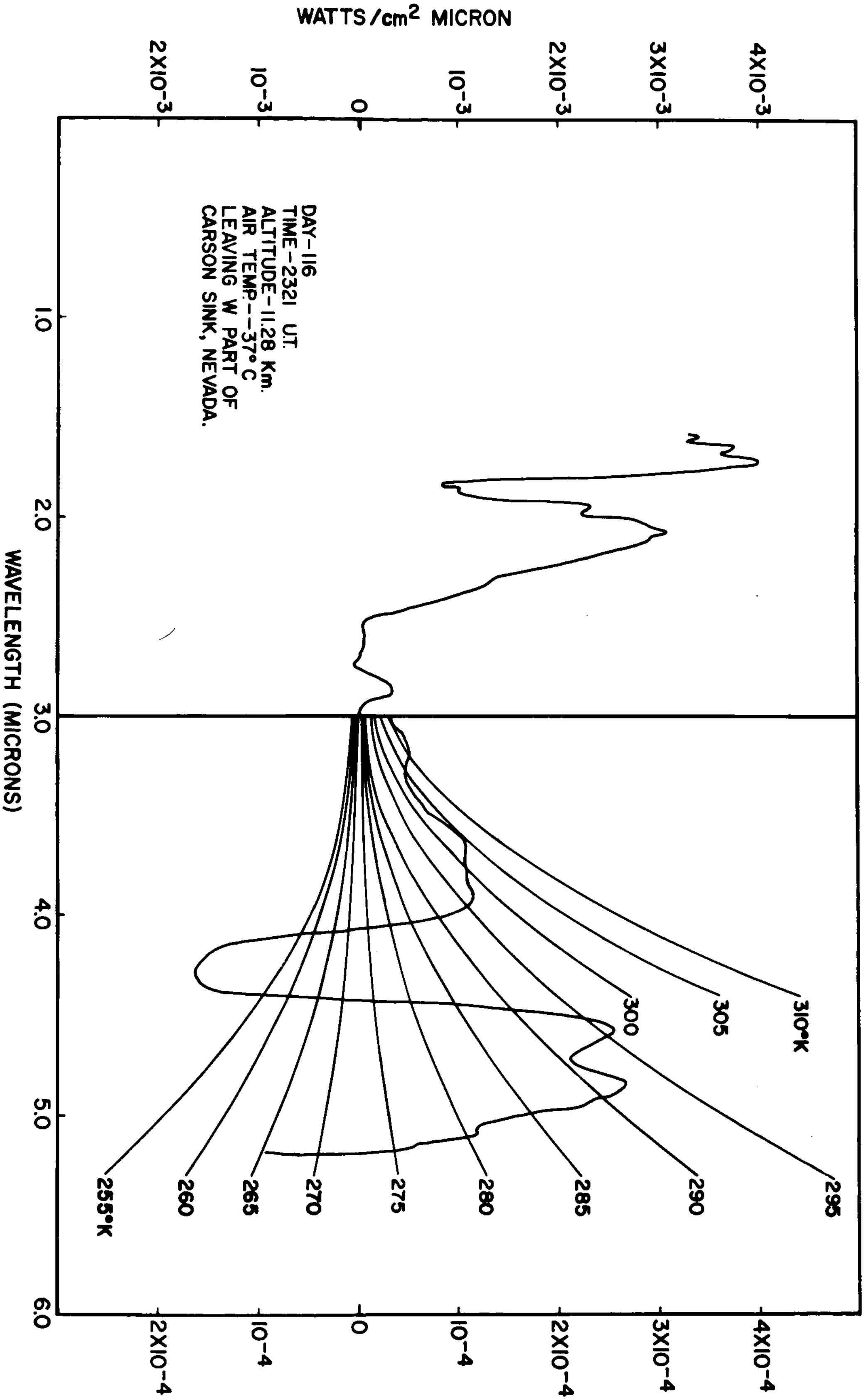
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-116
TIME-2318 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
WHITE SAND DUNES AT
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

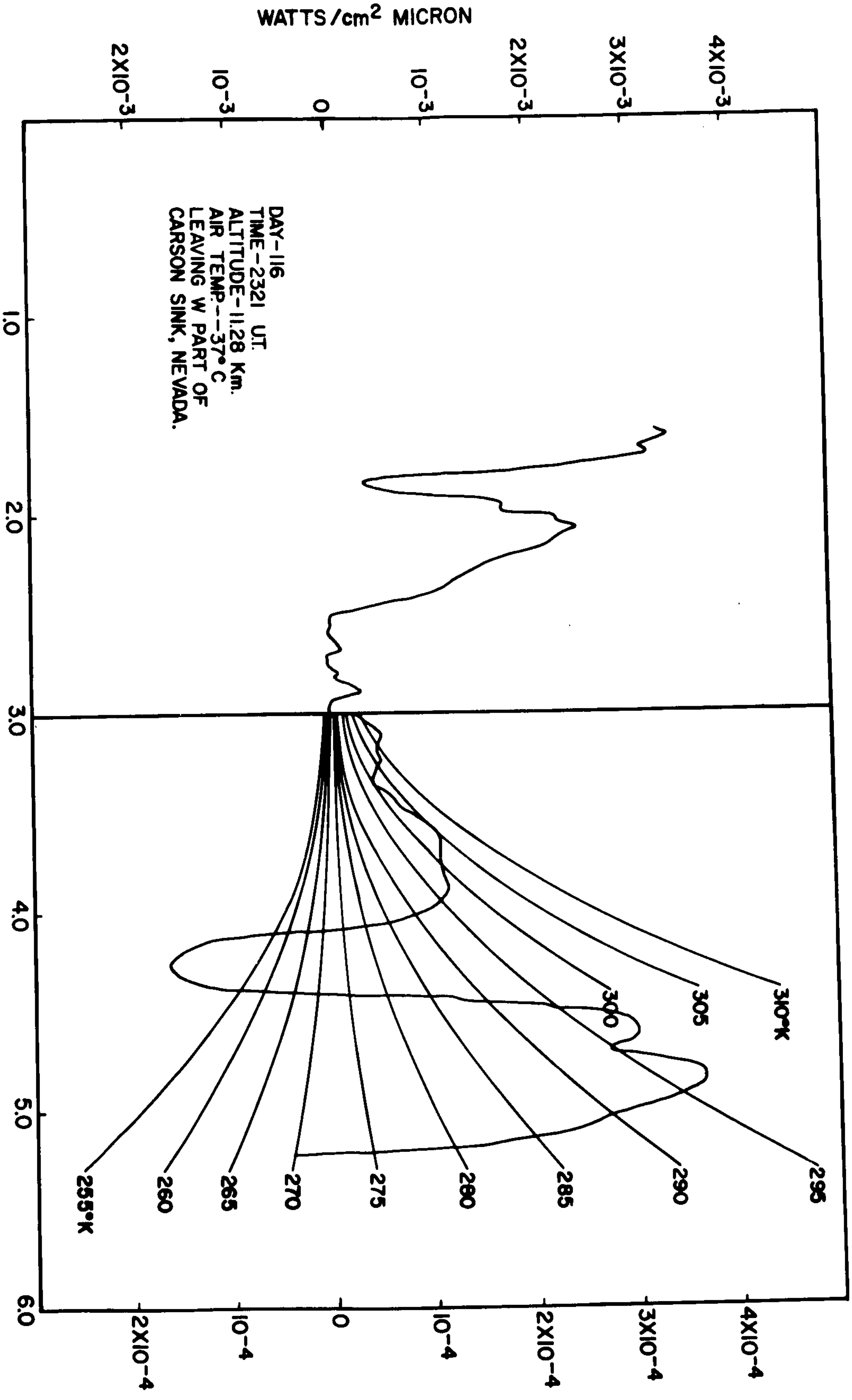

WATTS /cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2319 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
SAND DUNES AT
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

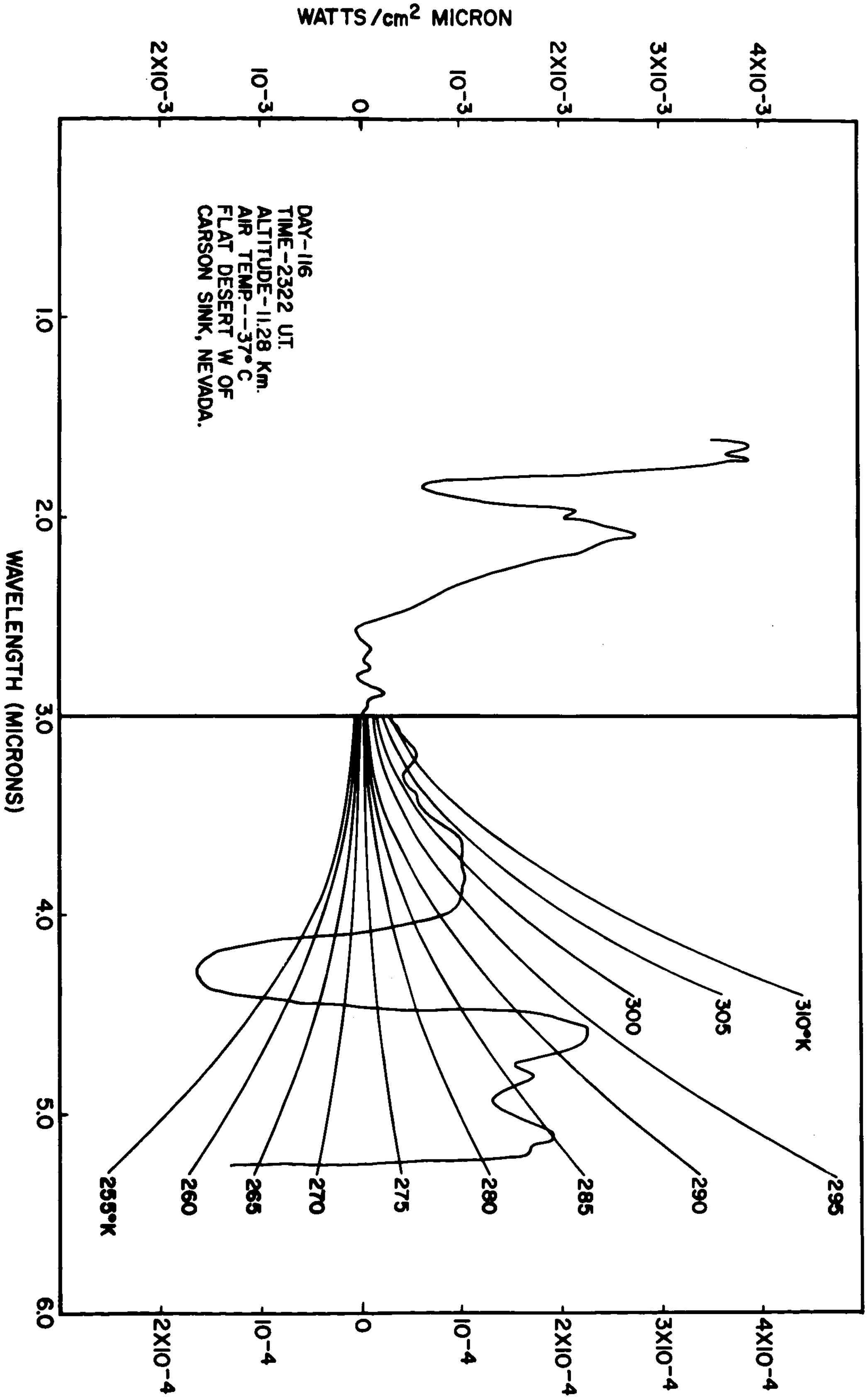

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2319 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

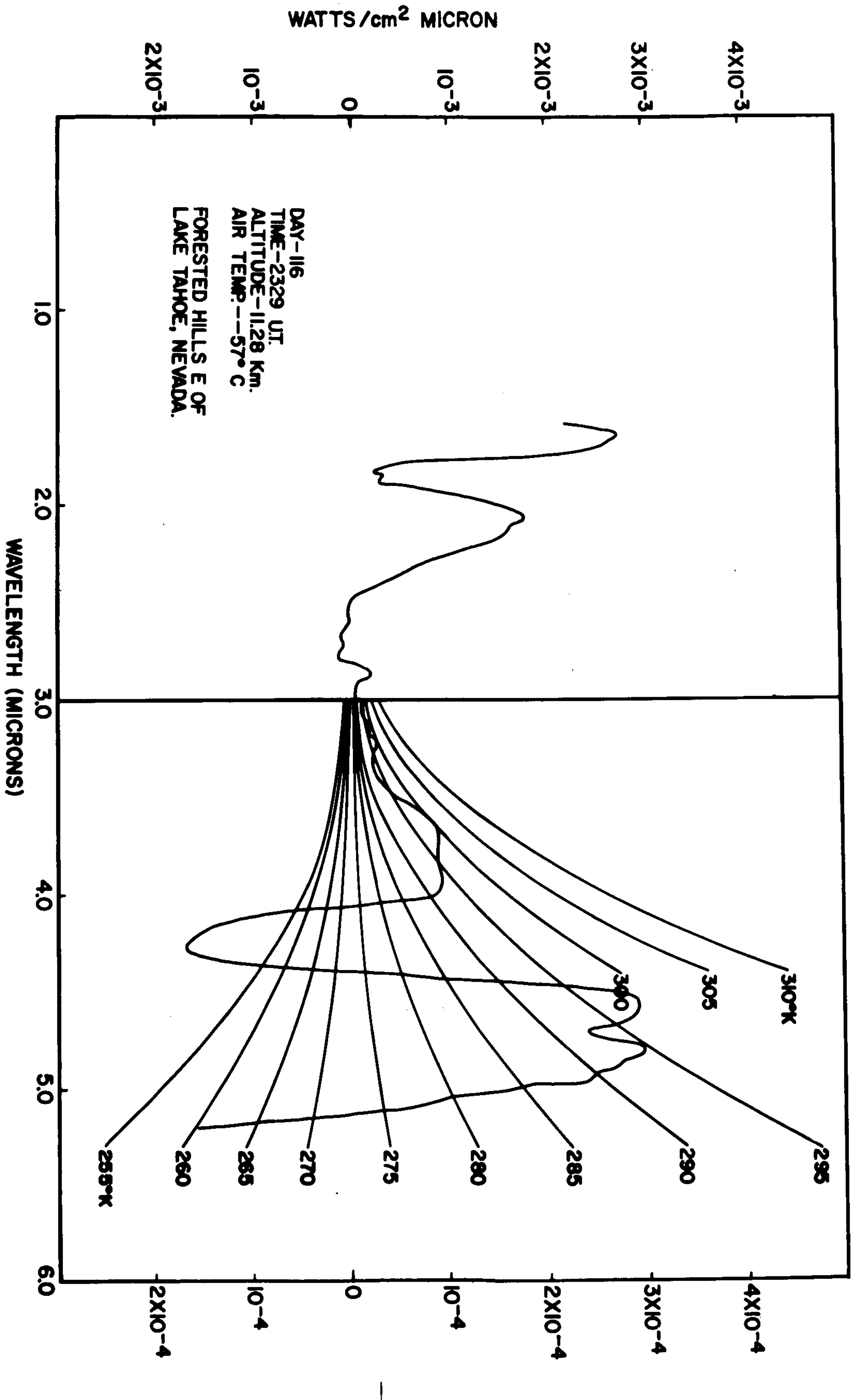

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2320 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37°C
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

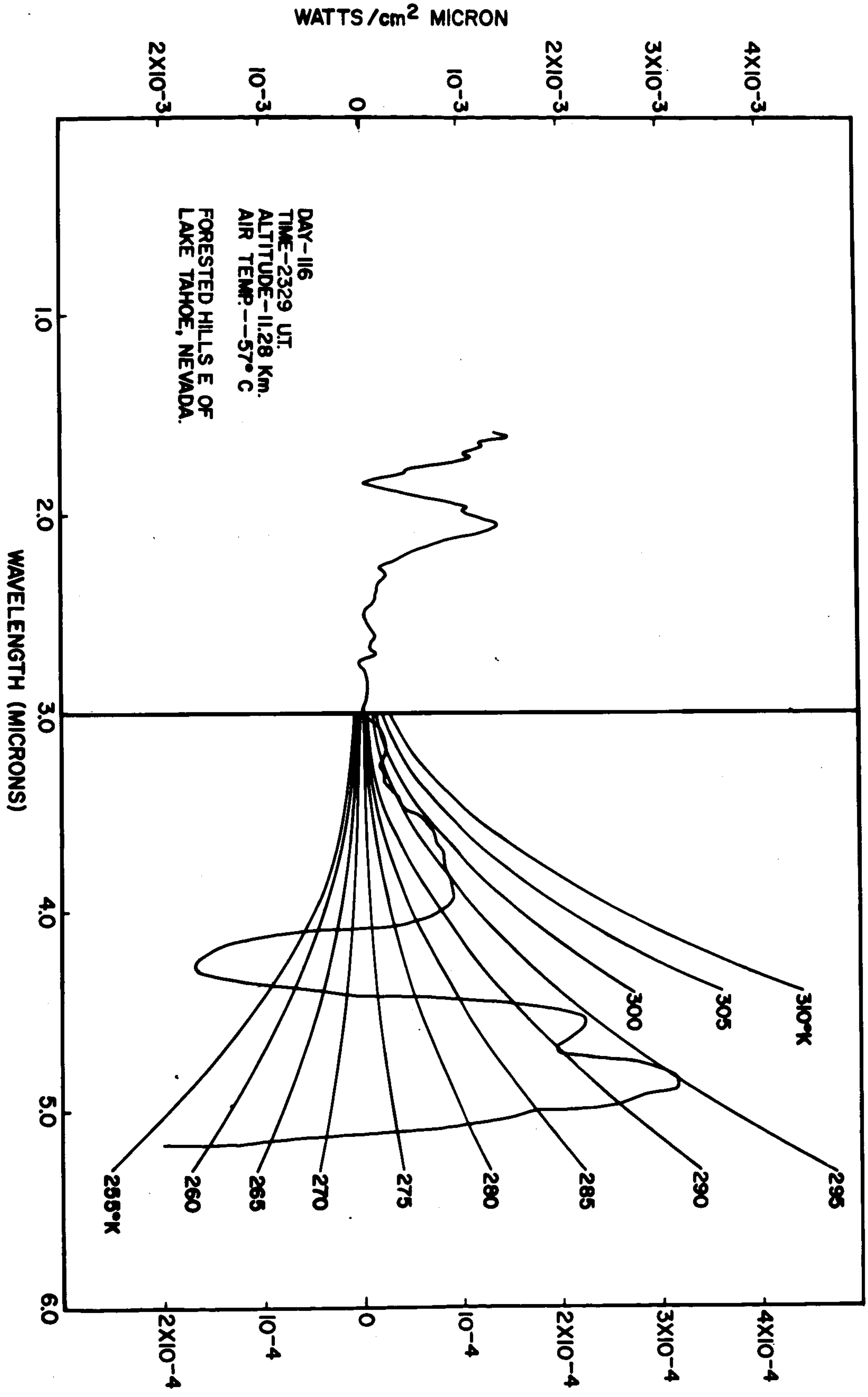

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2320 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

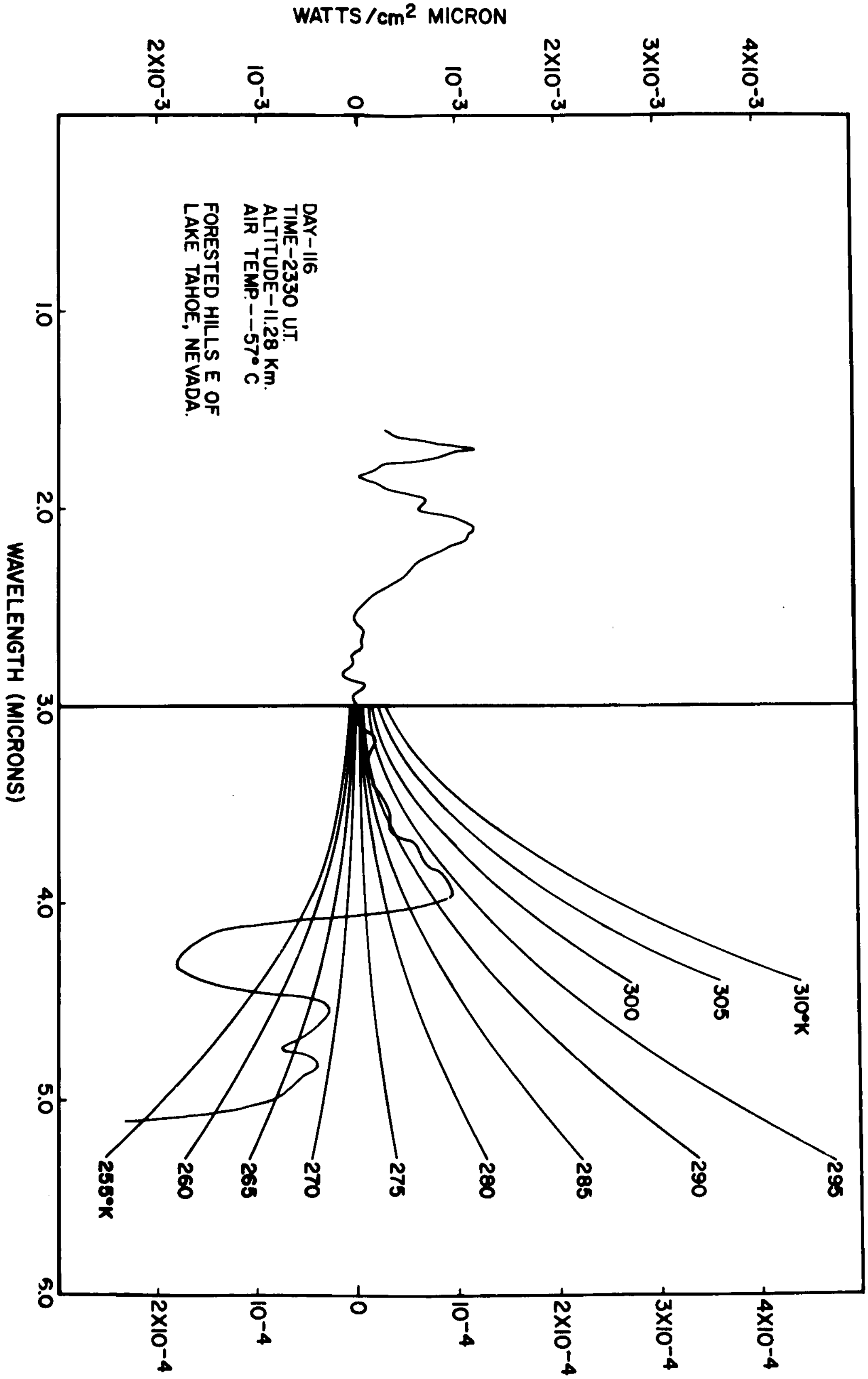

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2321 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37° C
LEAVING W PART OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

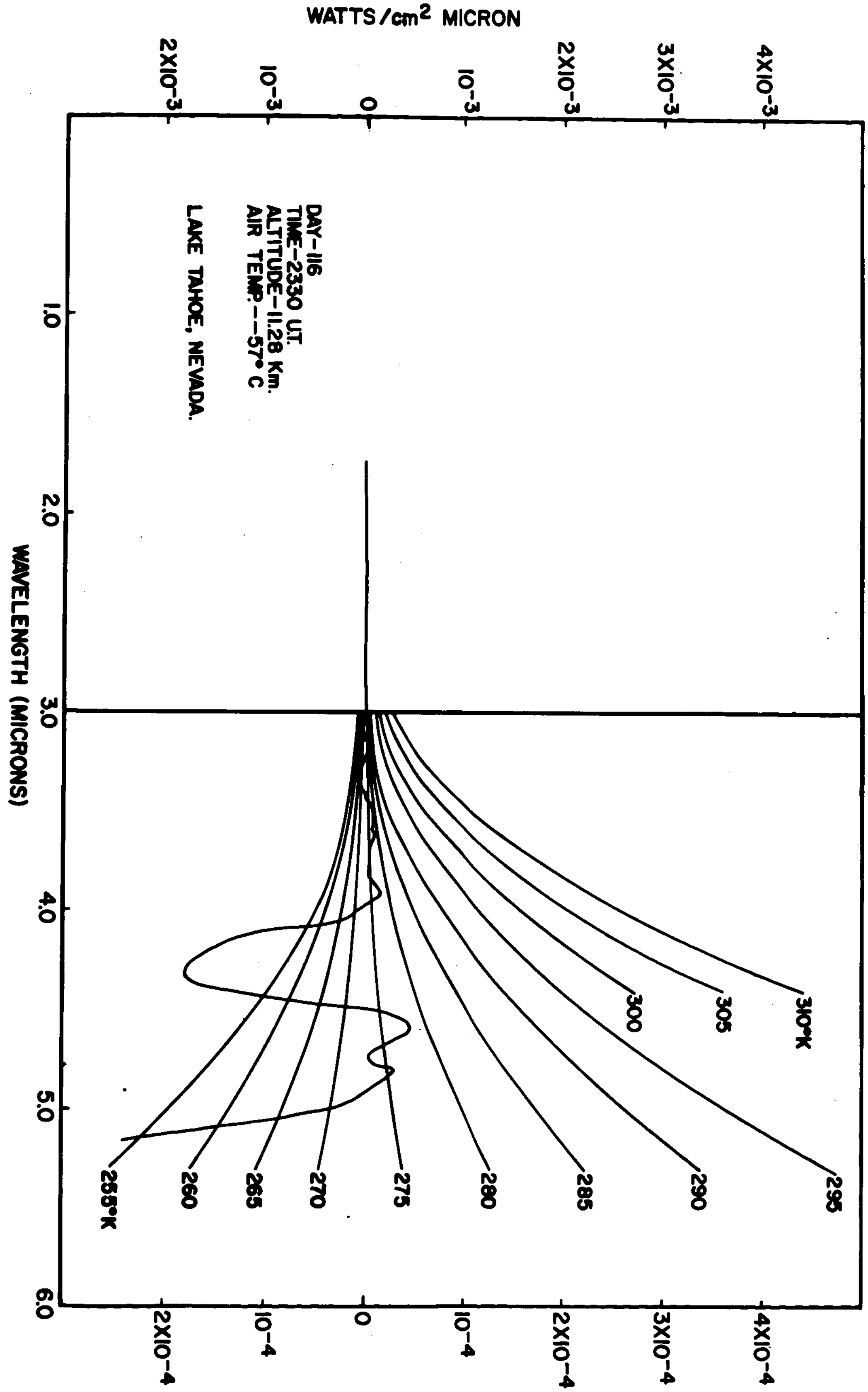

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2321 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37°C
LEAVING W PART OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

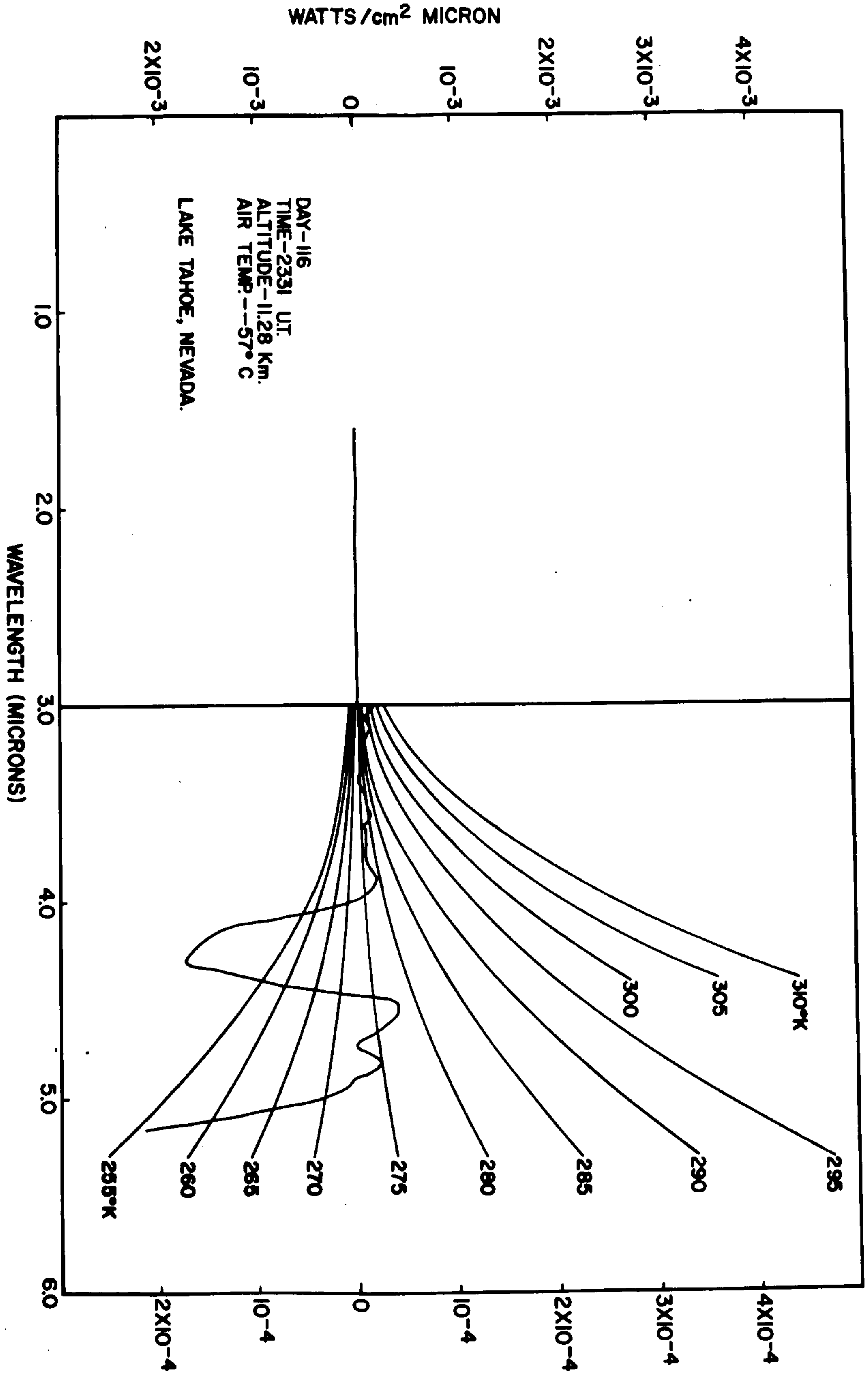

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2322 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--37°C
FLAT DESERT W OF
CARSON SINK, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2329 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS E OF
LAKE TAHOE, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

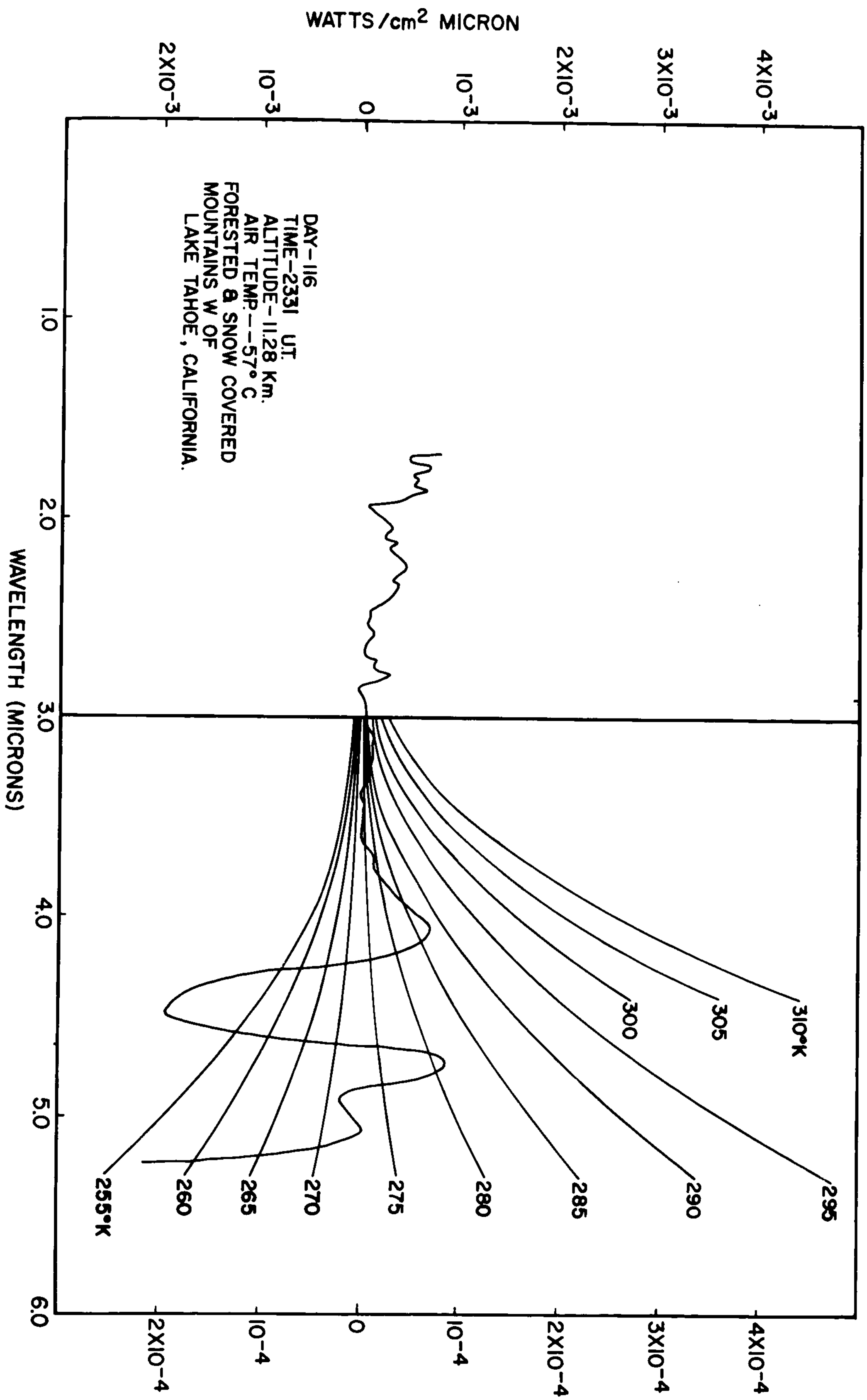

WATTS / cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2329 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS E OF
LAKE TAHOE, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

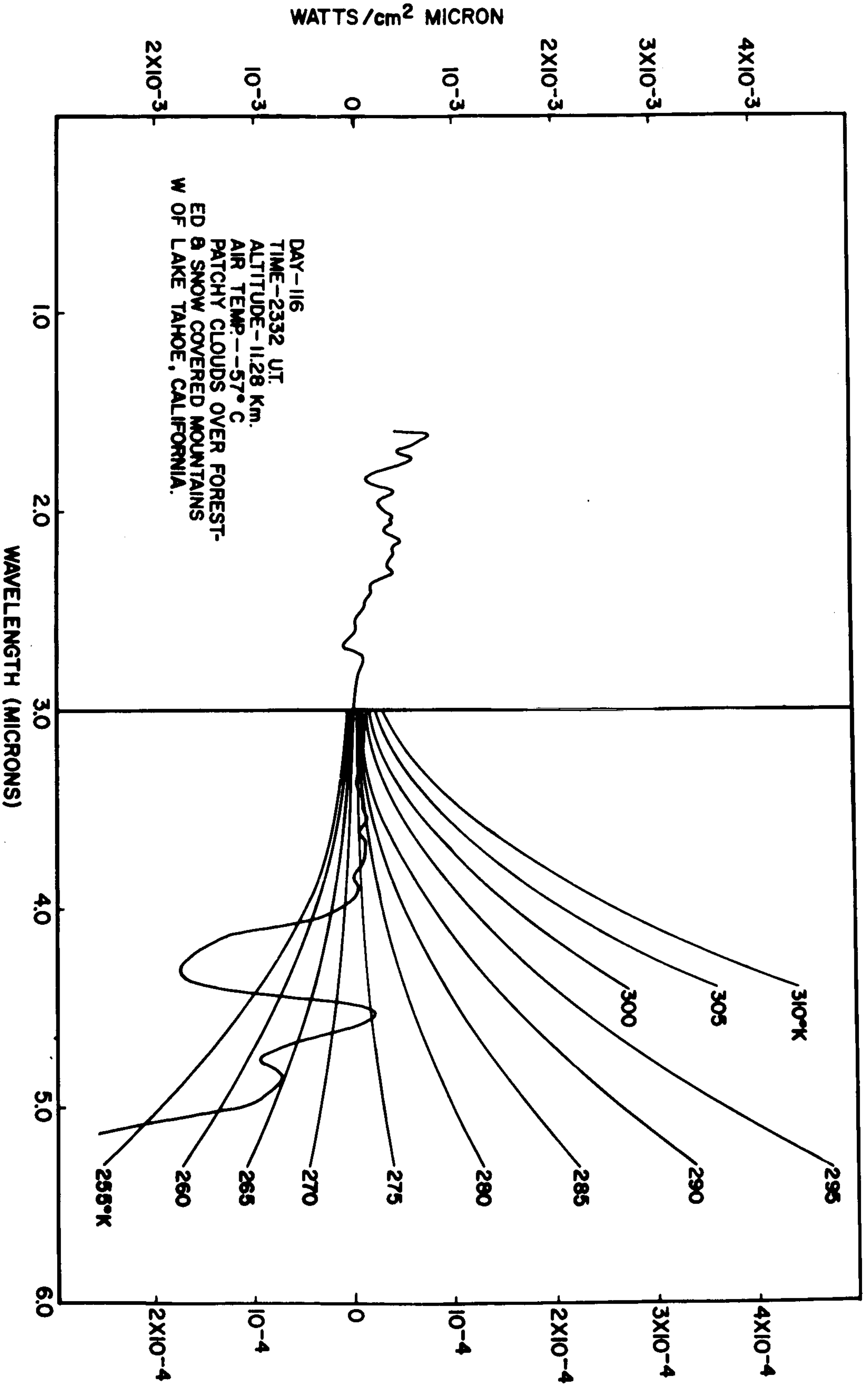

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2330 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS E OF
LAKE TAHOE, NEVADA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2330 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
LAKE TAHOE, NEVADA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

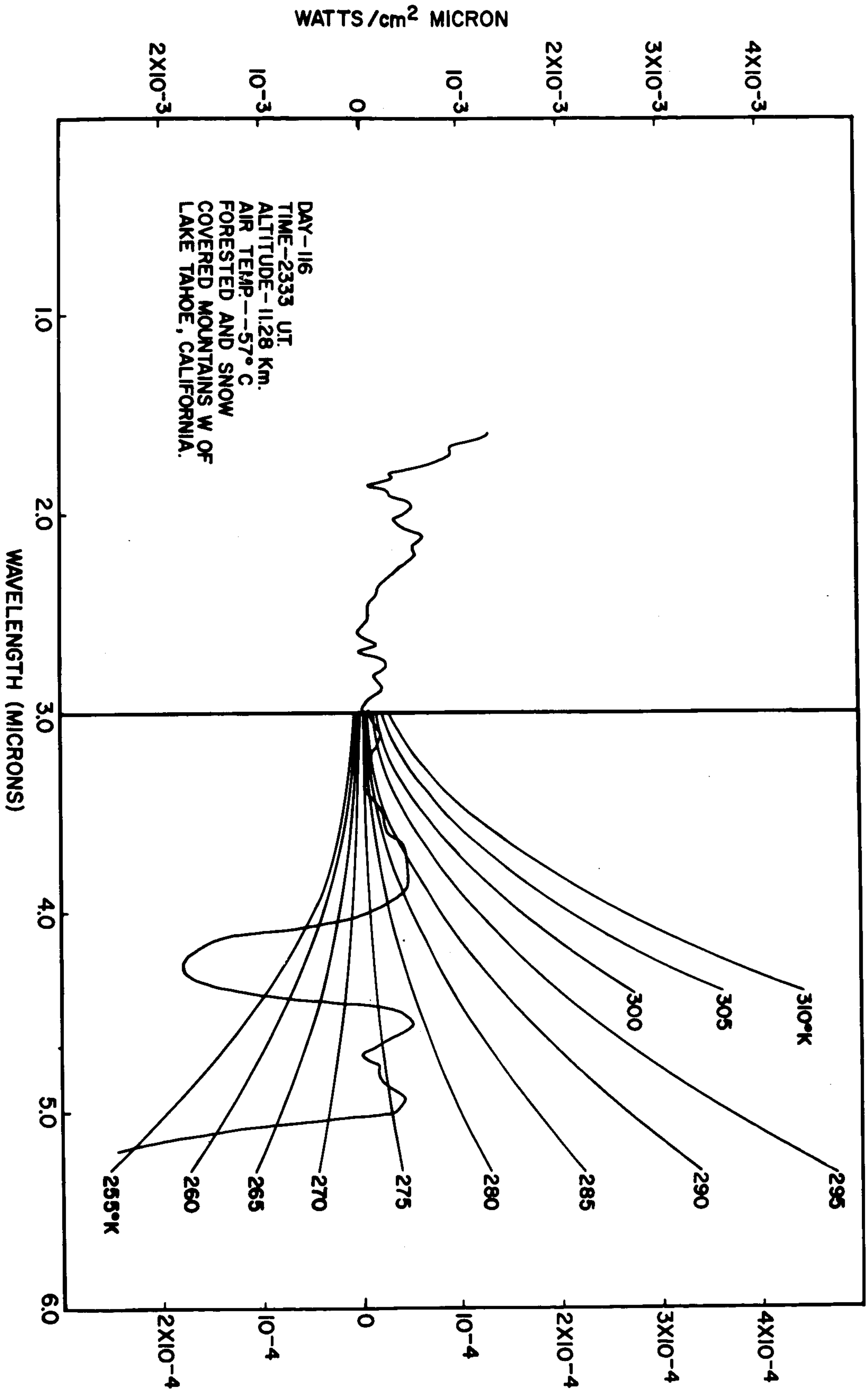


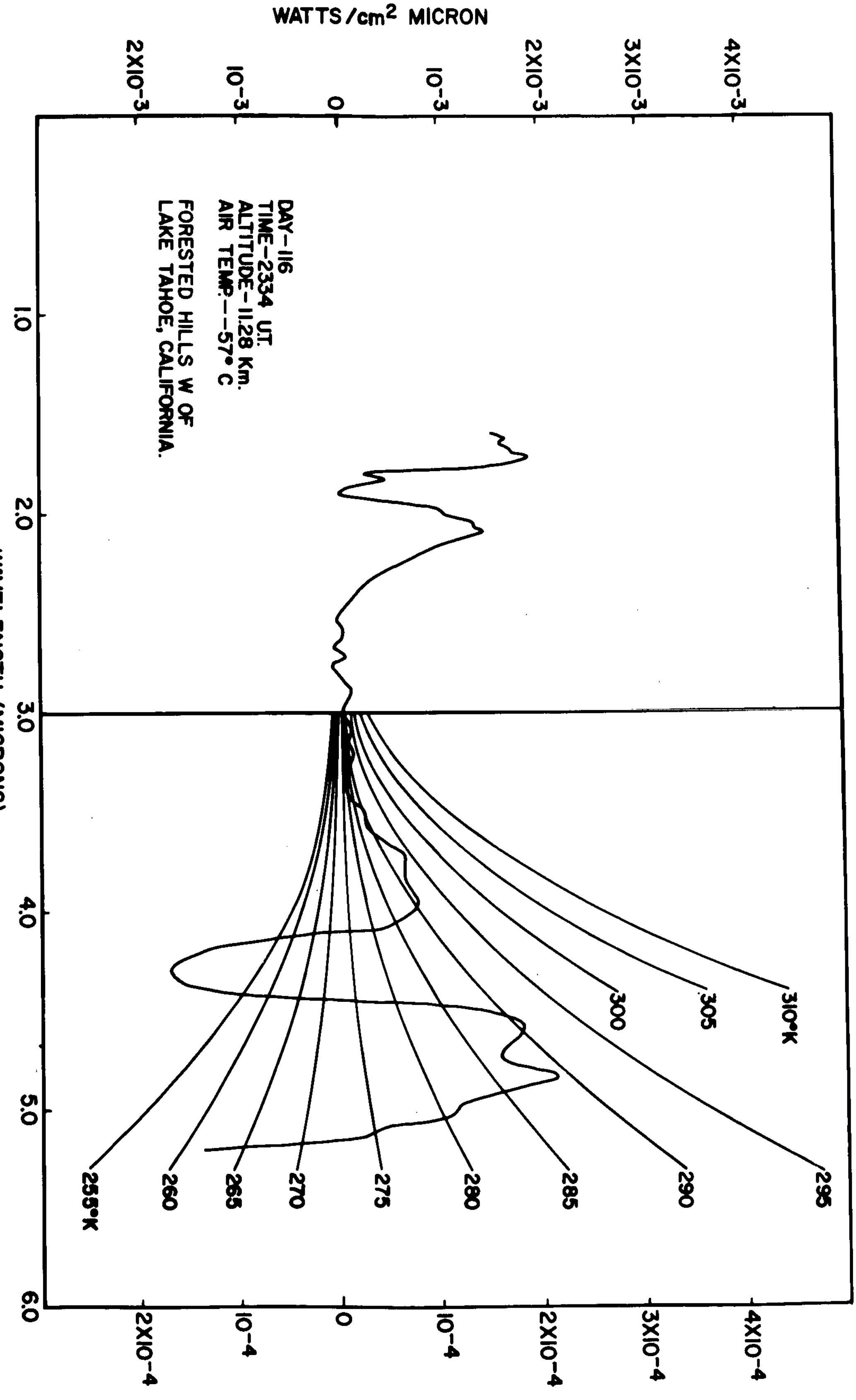
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2331 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
LAKE TAHOE, NEVADA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2331 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED & SNOW COVERED
MOUNTAINS W OF
LAKE TAHOE, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

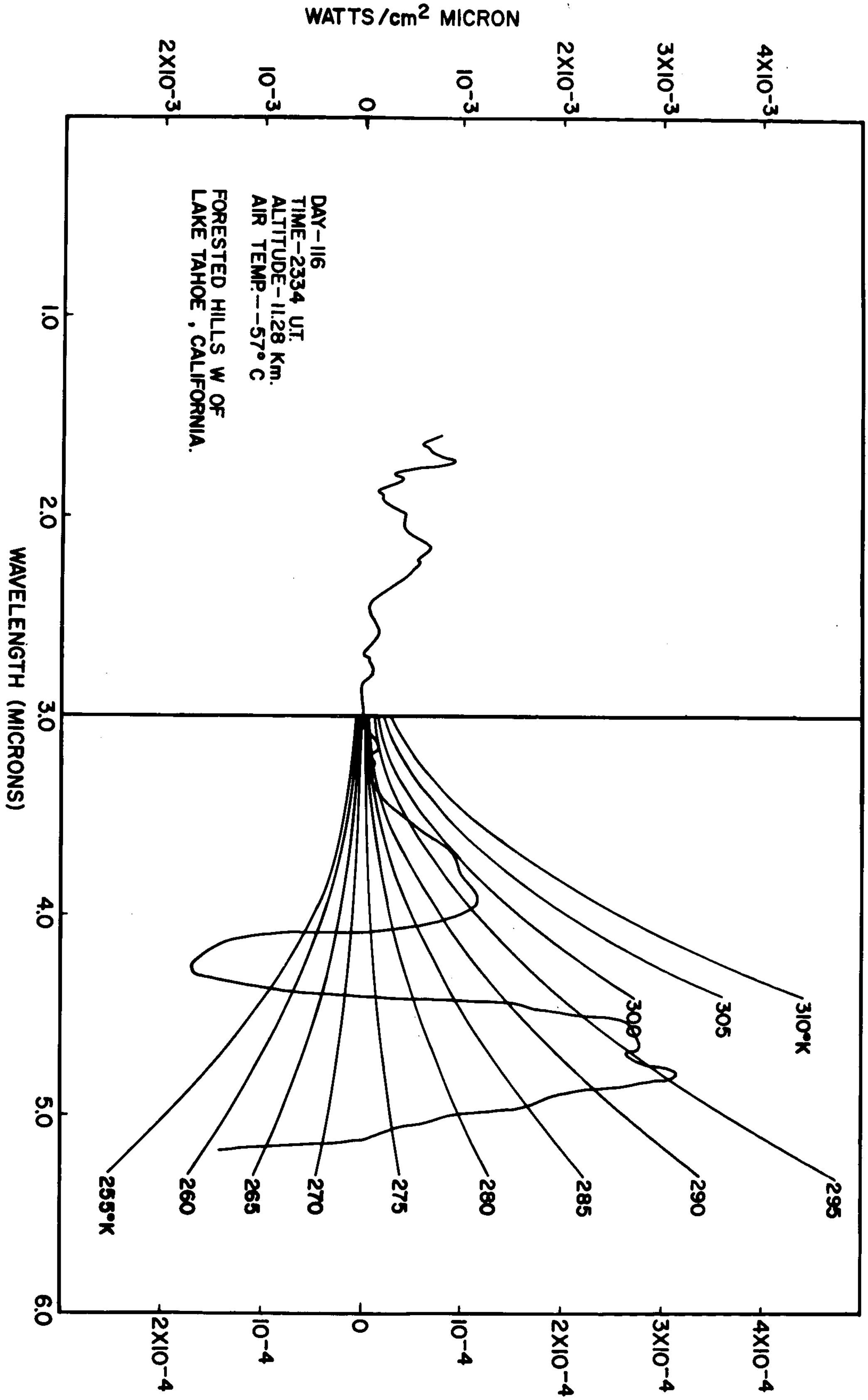


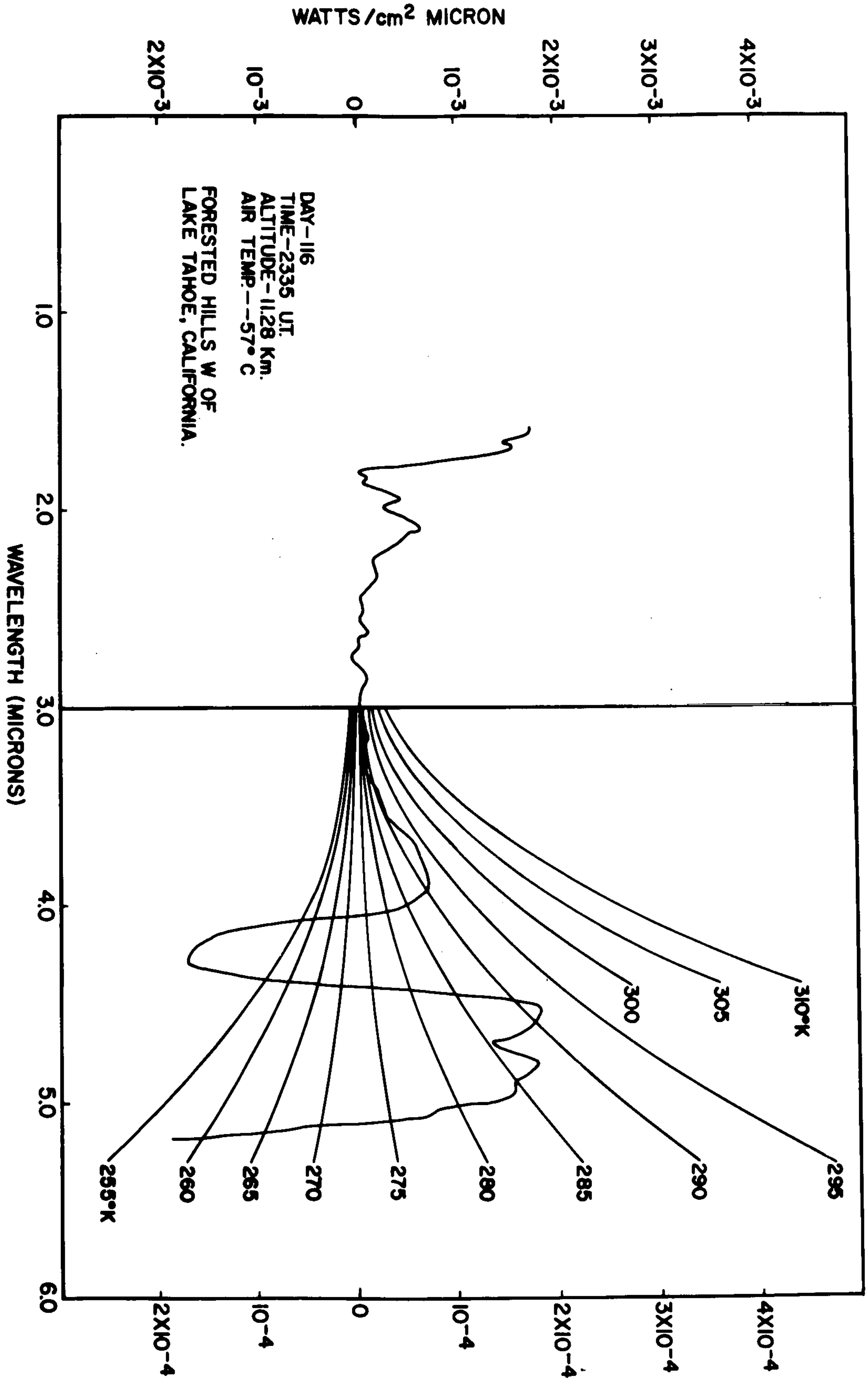
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2332 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
PATCHY CLOUDS OVER FOREST-
ED & SNOW COVERED MOUNTAINS
W OF LAKE TAHOE, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2333 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED AND SNOW
COVERED MOUNTAINS W OF
LAKE TAHOE, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

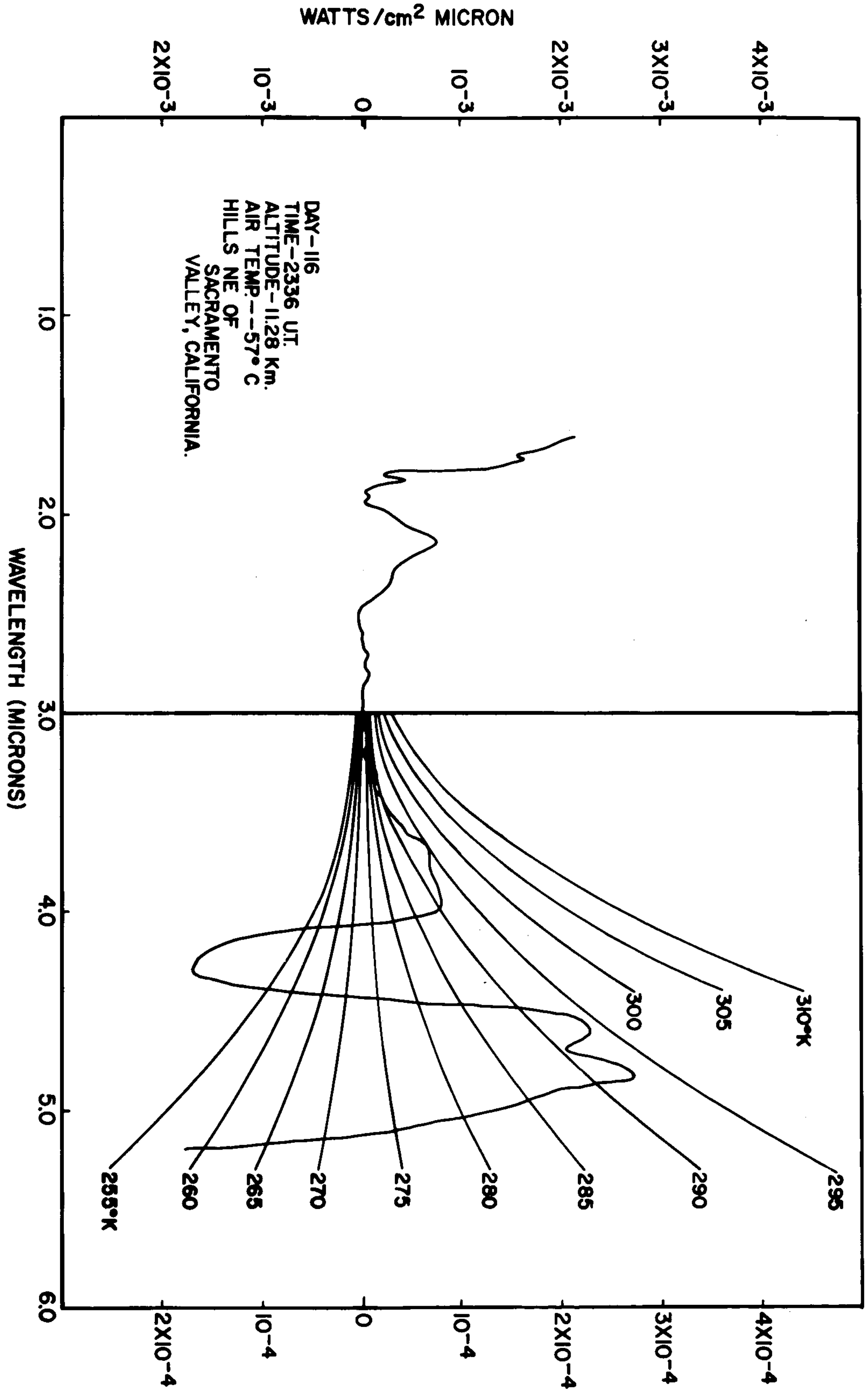


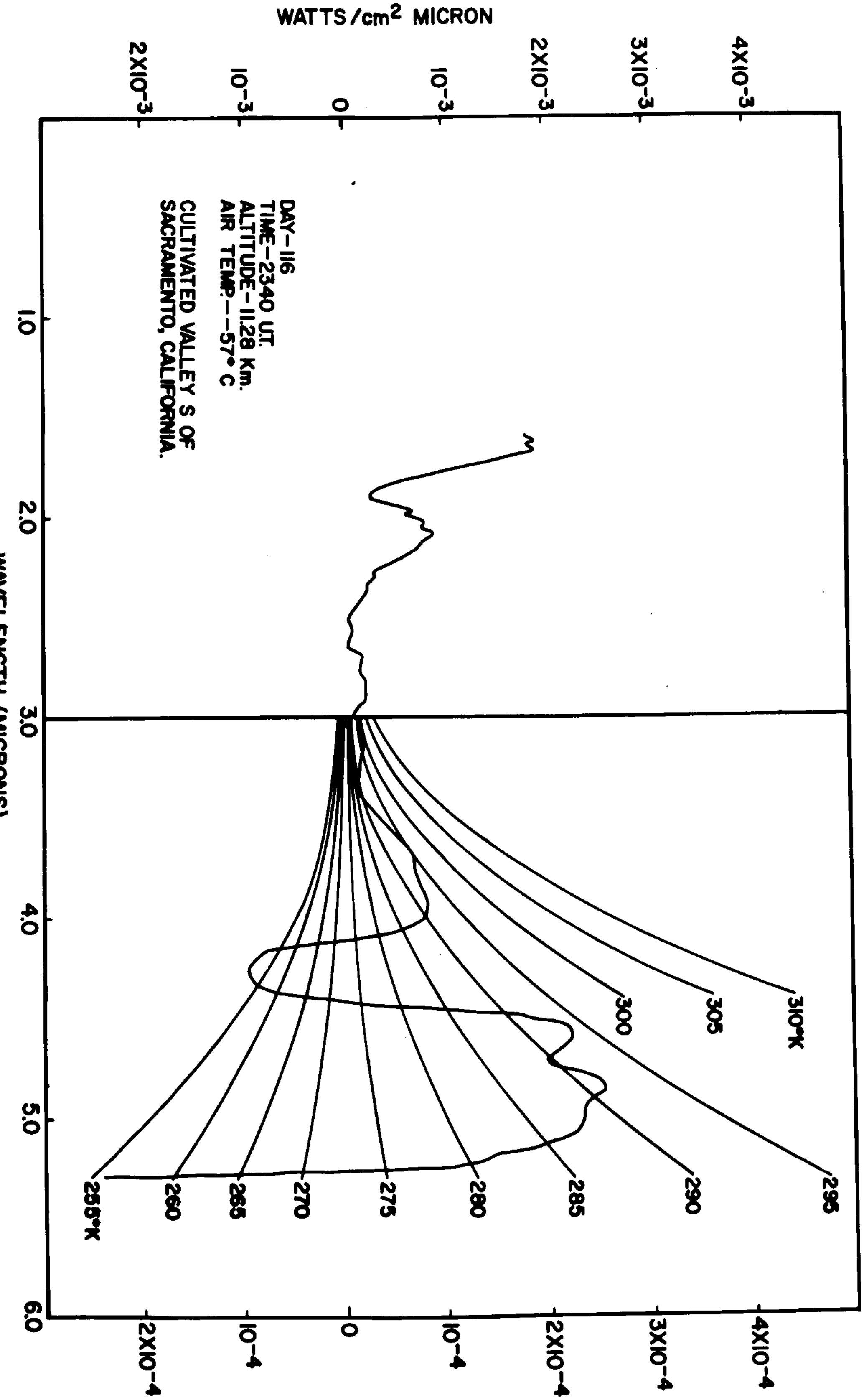
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2334 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS W OF
LAKE TAHOE, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

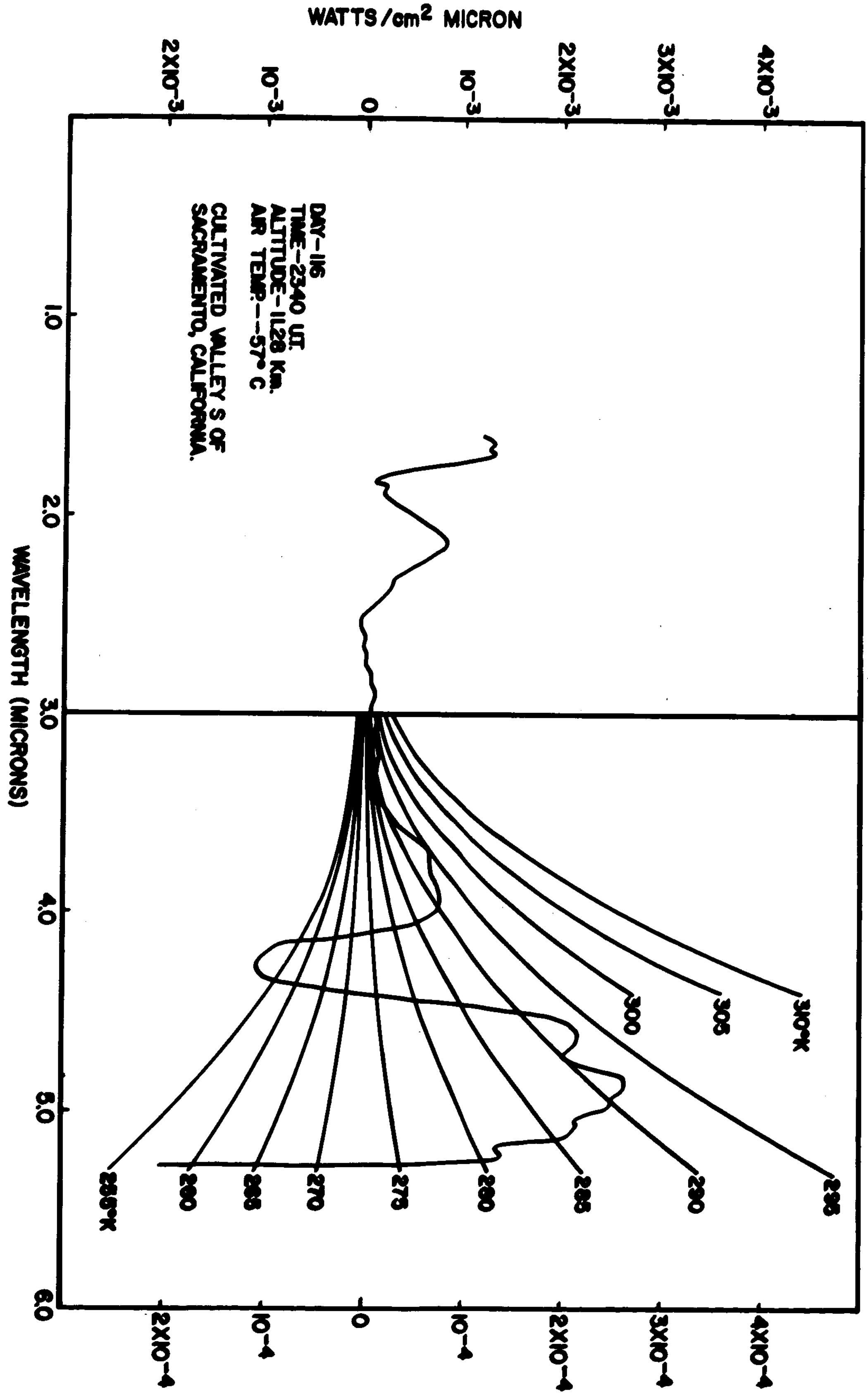

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2334 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS W OF
LAKE TAHOE , CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



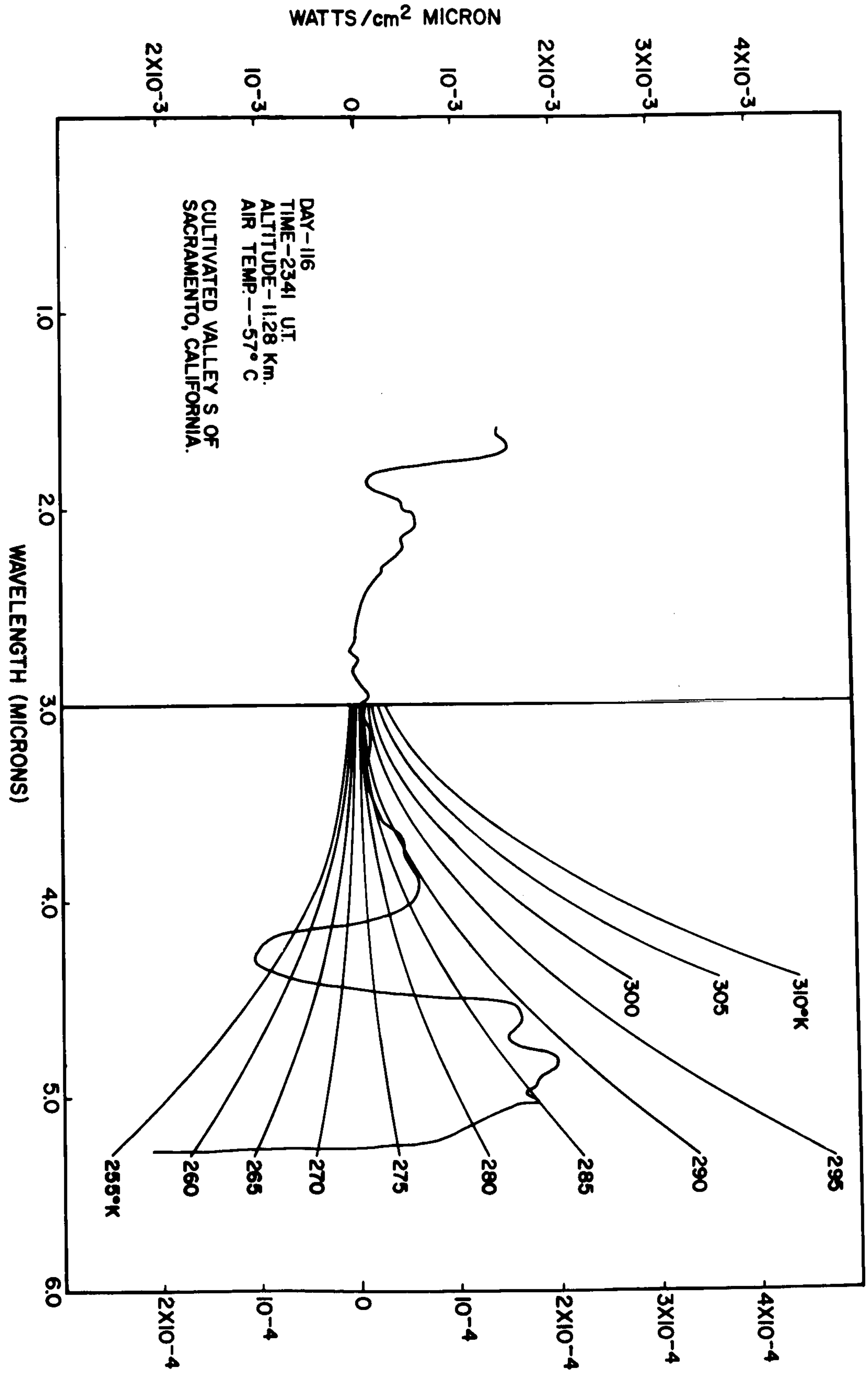
WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-116
TIME-2335 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
FORESTED HILLS W OF
LAKE TAHOE, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

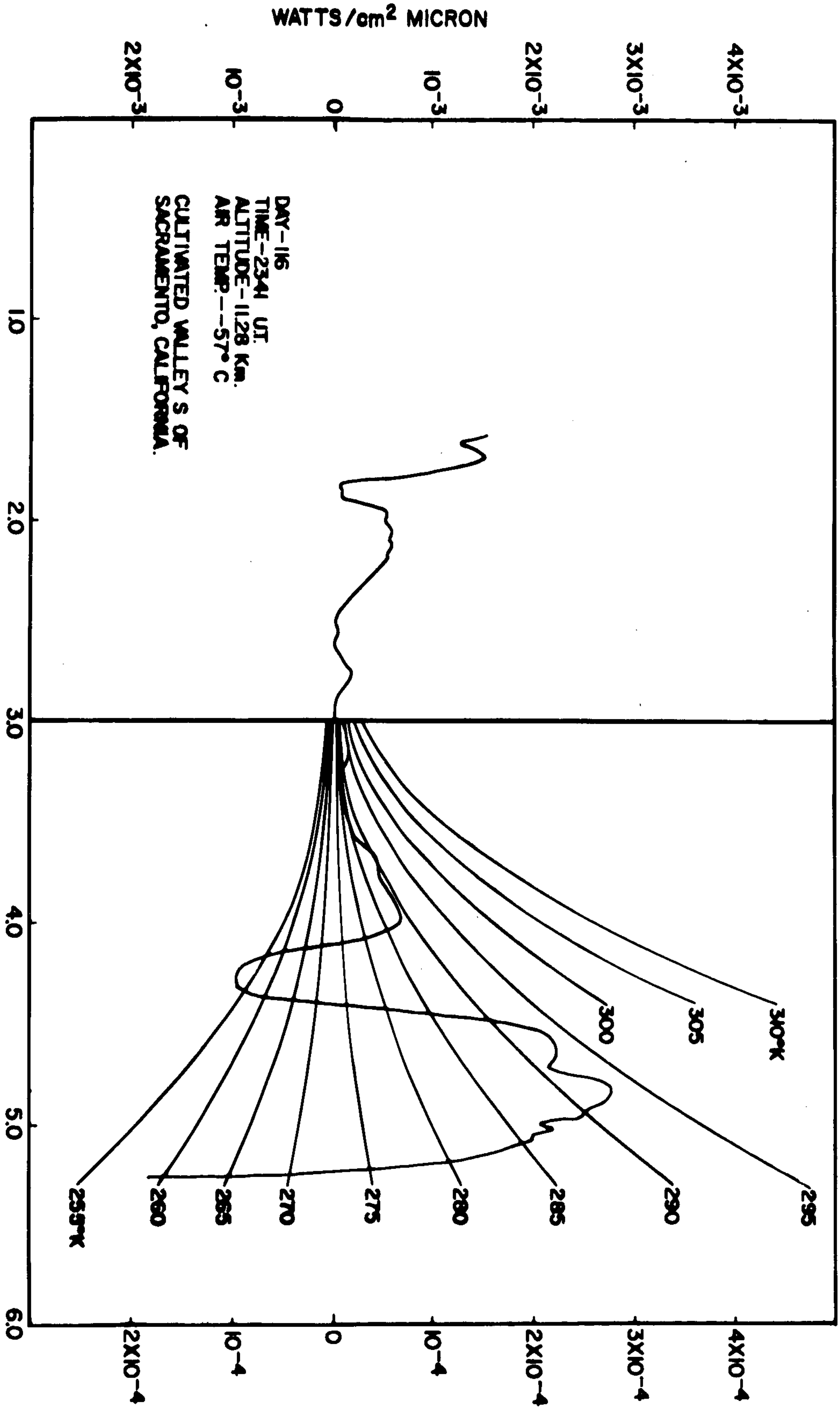

WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-116
TIME-2336 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
HILLS NE OF
SACRAMENTO
VALLEY, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
300
305
310°K
255°K
260
265
270
275
280
285
290
295
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

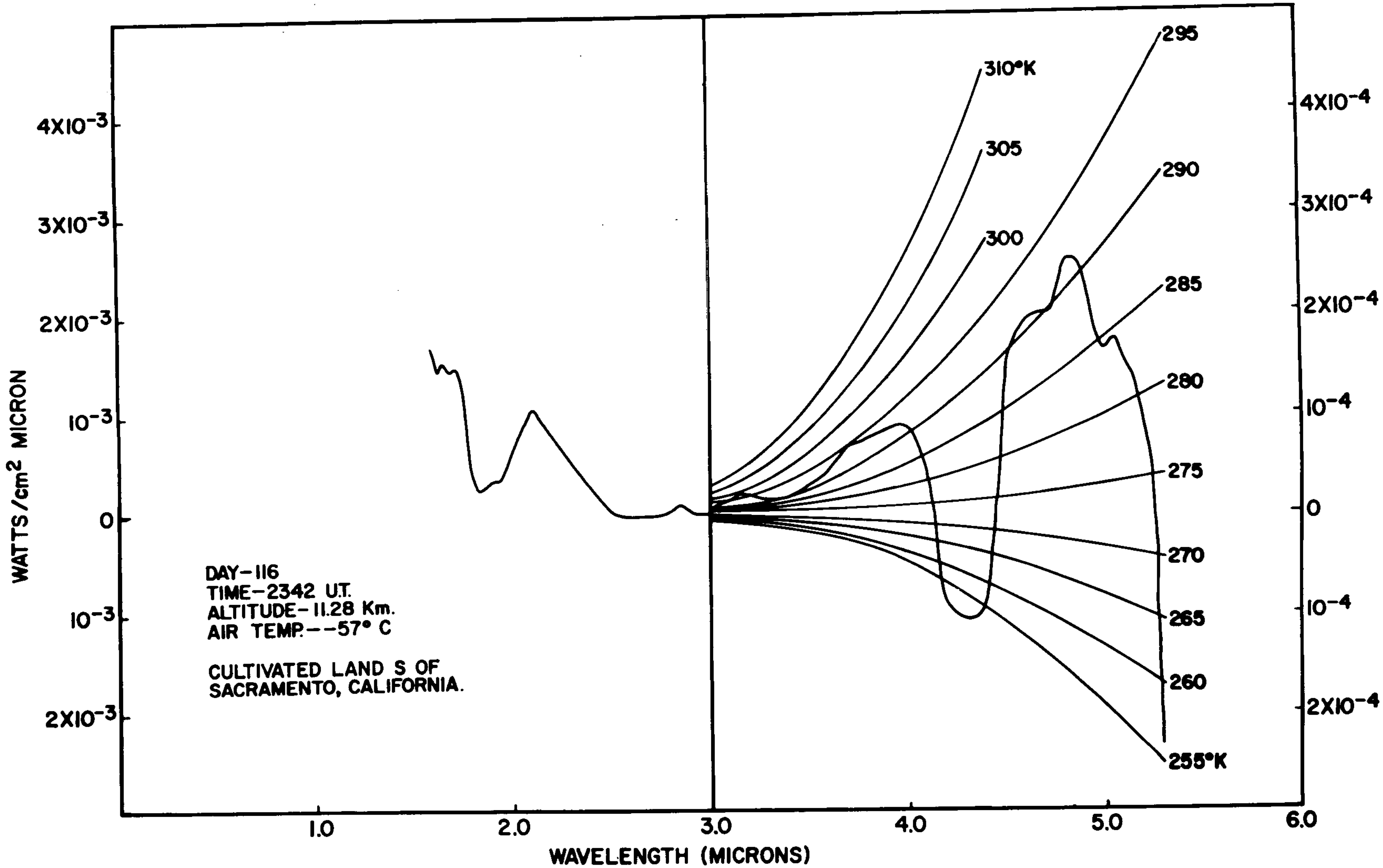

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2340 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
CULTIVATED VALLEY S OF
SACRAMENTO, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

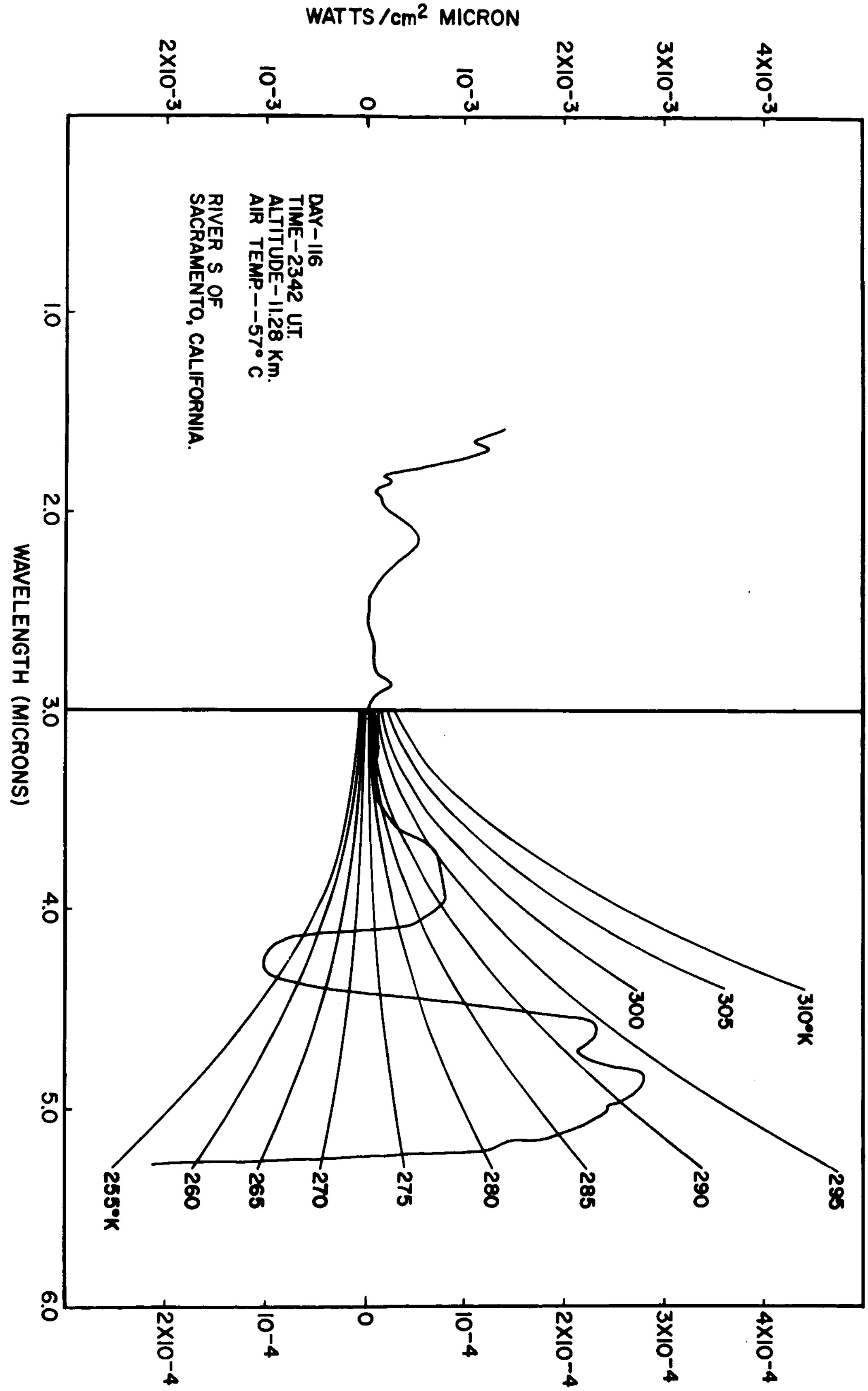


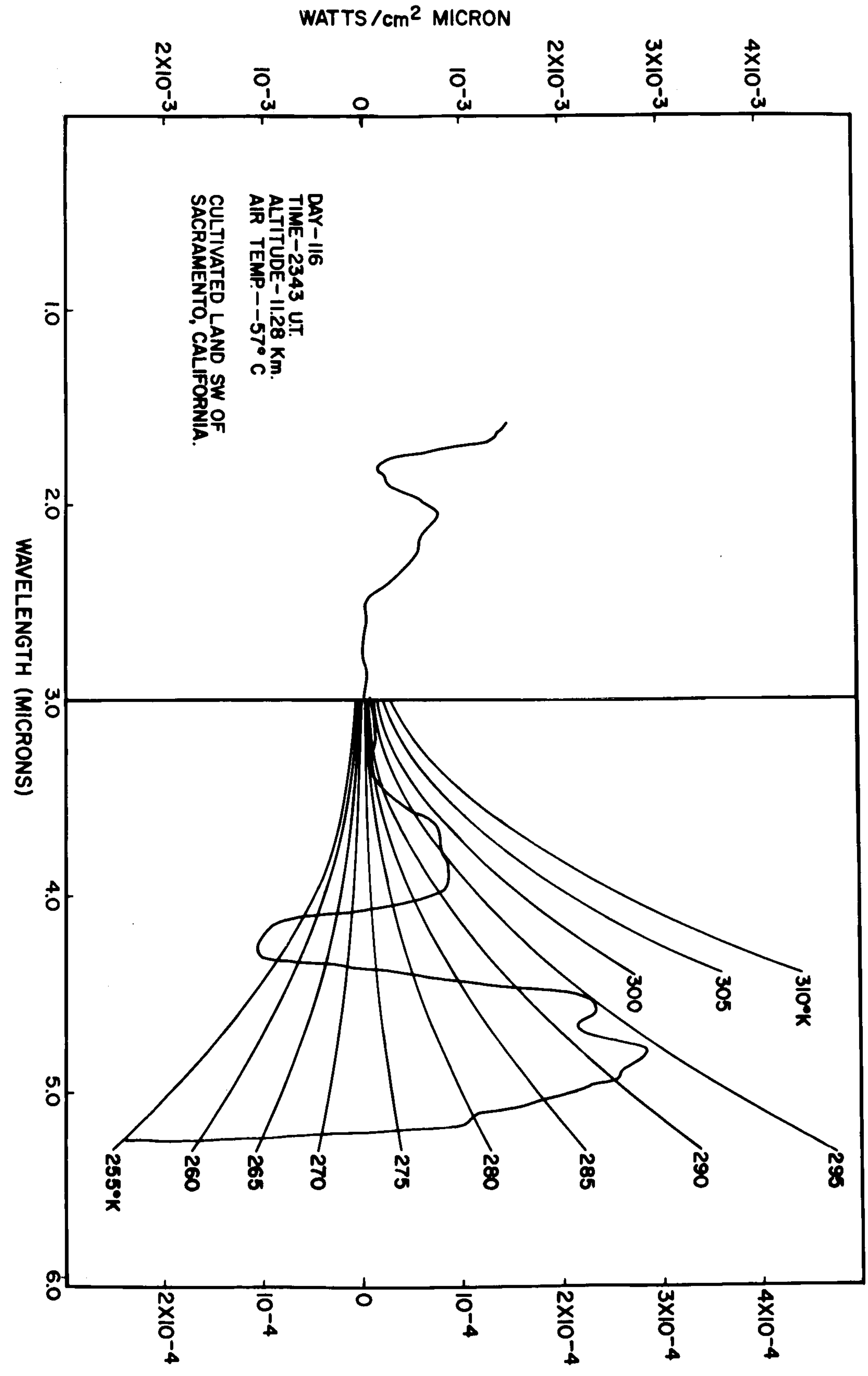
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
DAY-116
TIME-2340 U.T.
ALTITUDE-1128 Km.
AIR TEMP.--57° C
CULTIVATED VALLEY S OF
SACRAMENTO, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

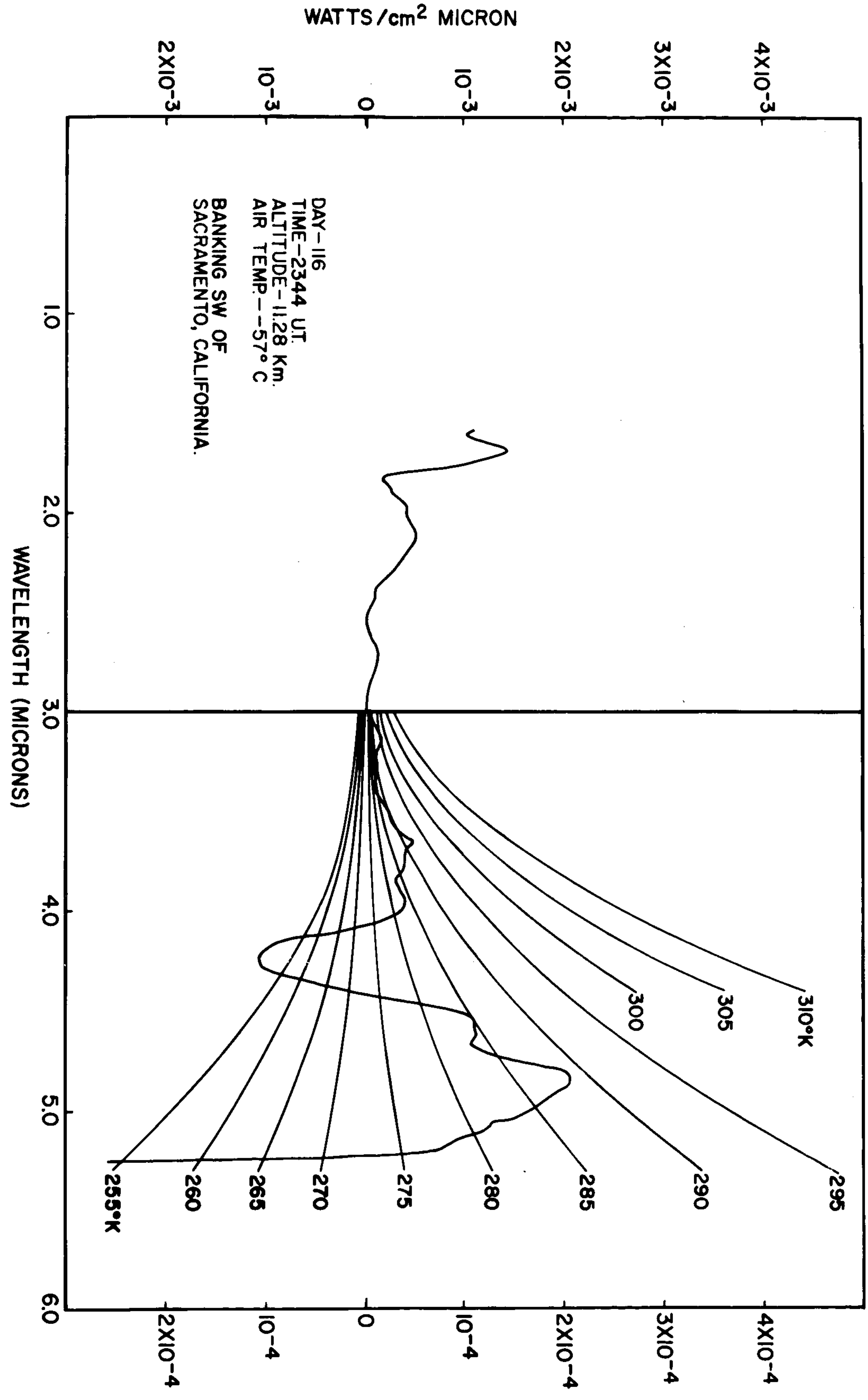

WATTS / cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY–116
TIME–2341 U.T.
ALTITUDE–11.28 Km.
AIR TEMP.– –57° C
CULTIVATED VALLEY S OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

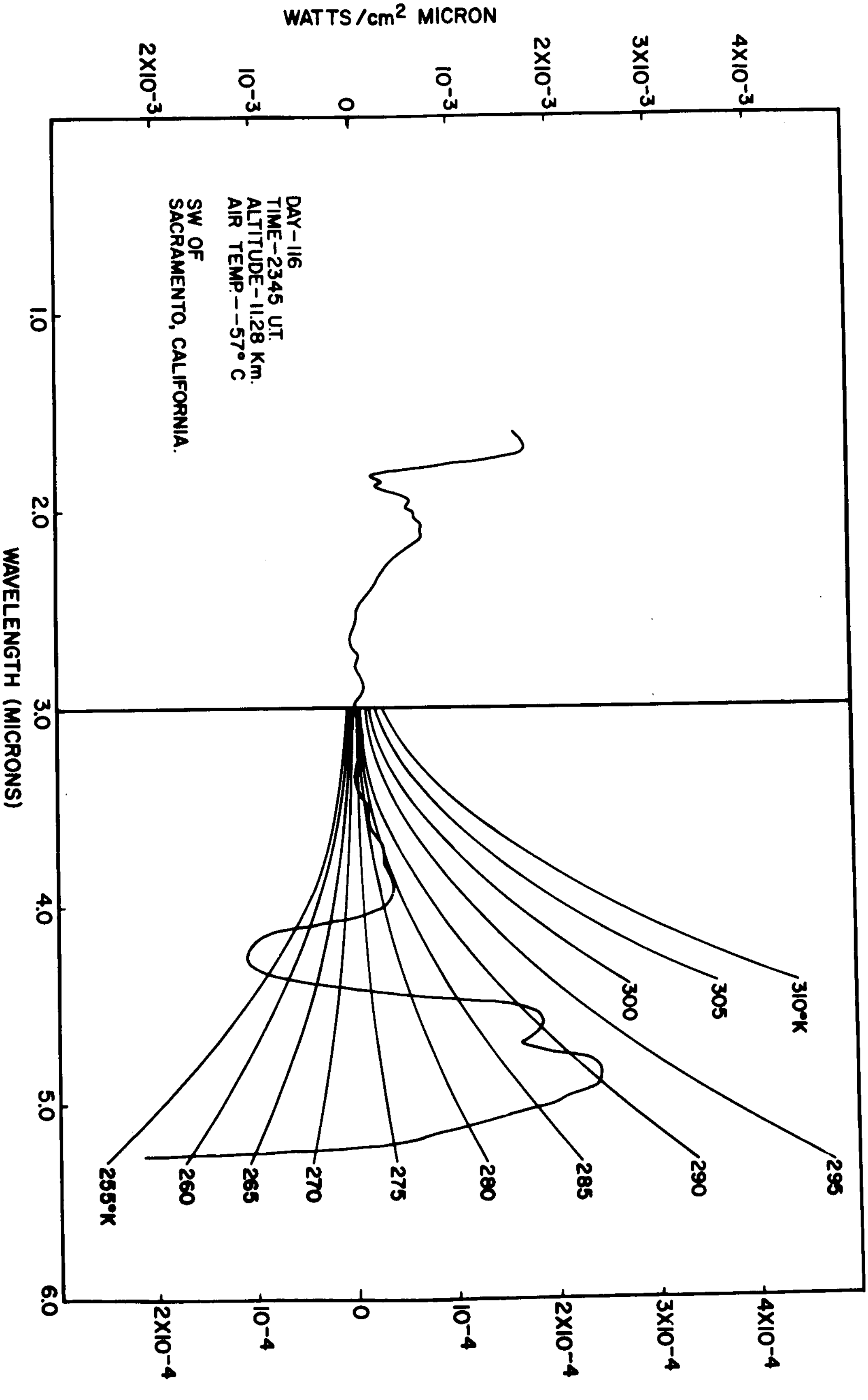

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2341 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
CULTIVATED VALLEY S OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

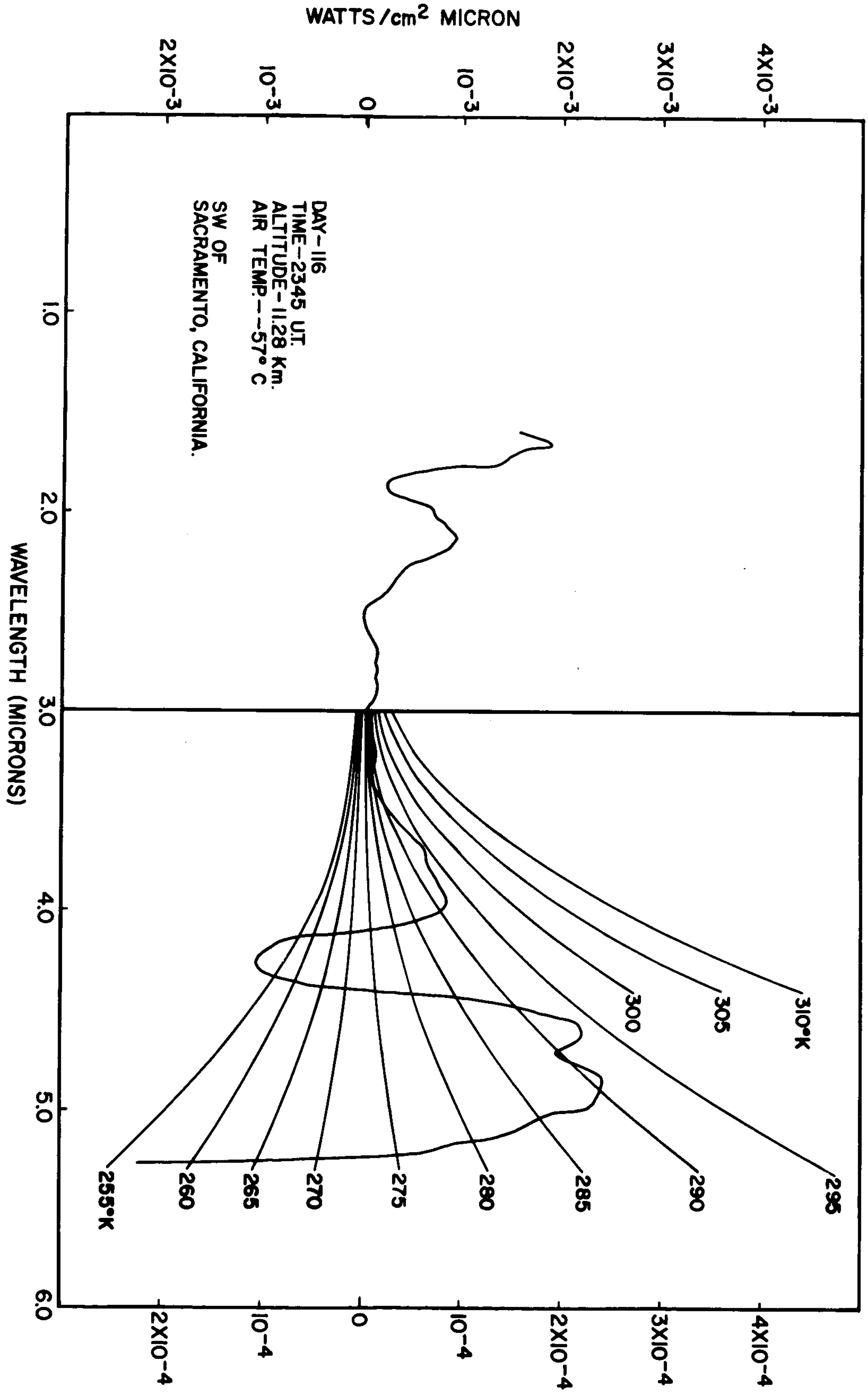

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2342 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
CULTIVATED LAND S OF
SACRAMENTO, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2342 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
RIVER S OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

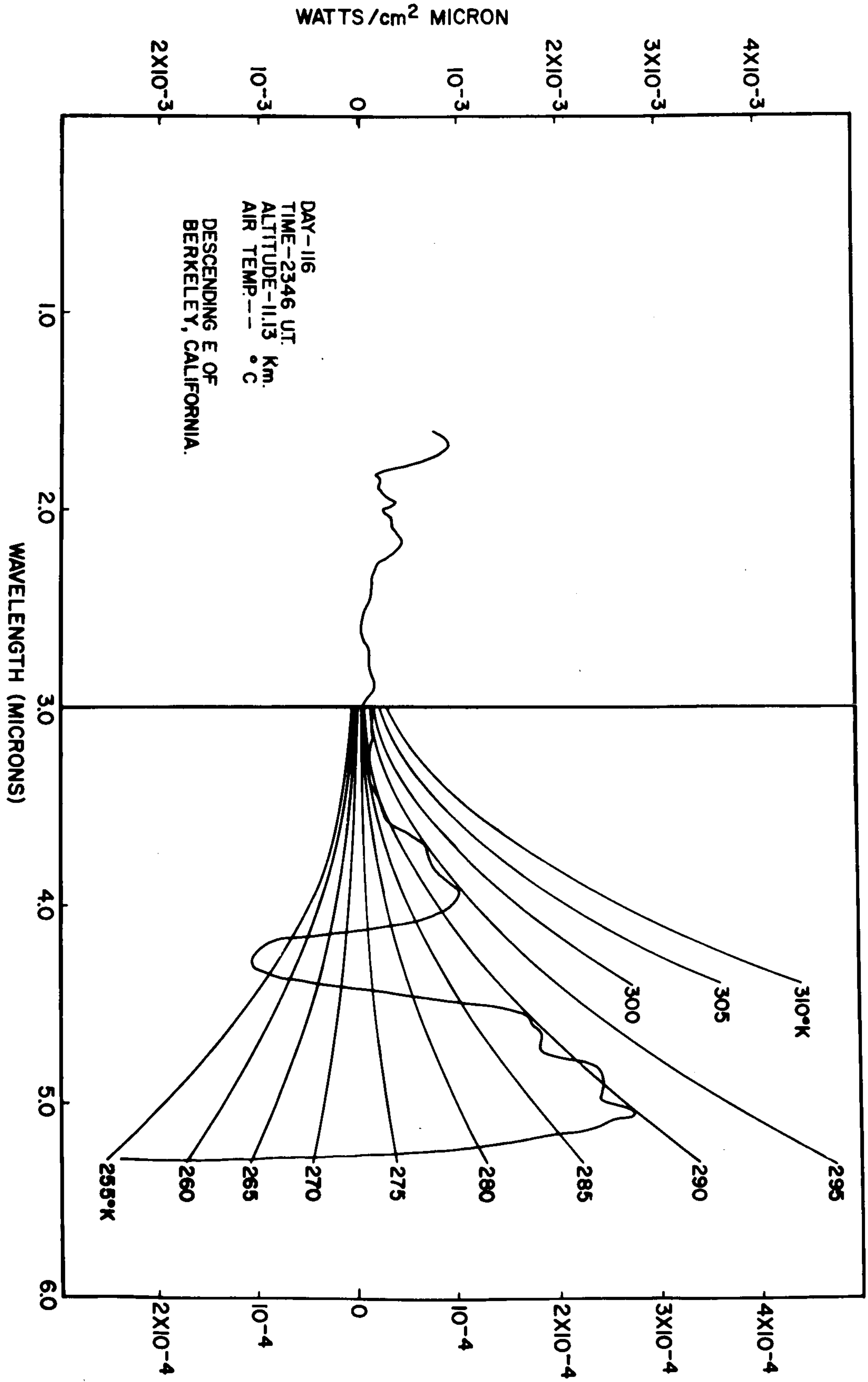

WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-116
TIME-2343 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
CULTIVATED LAND SW OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

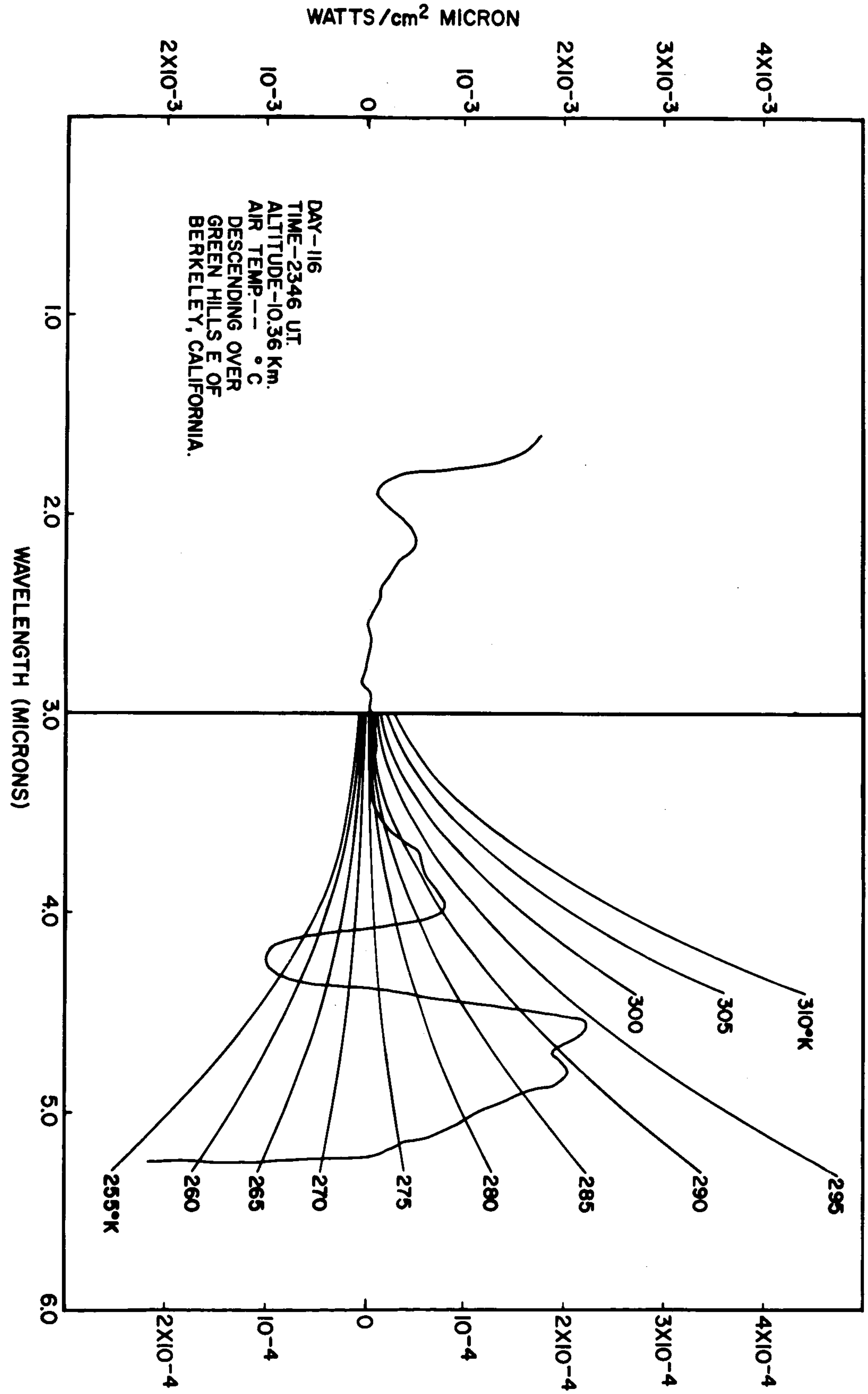

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2344 UT.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
BANKING SW OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2345 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
SW OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

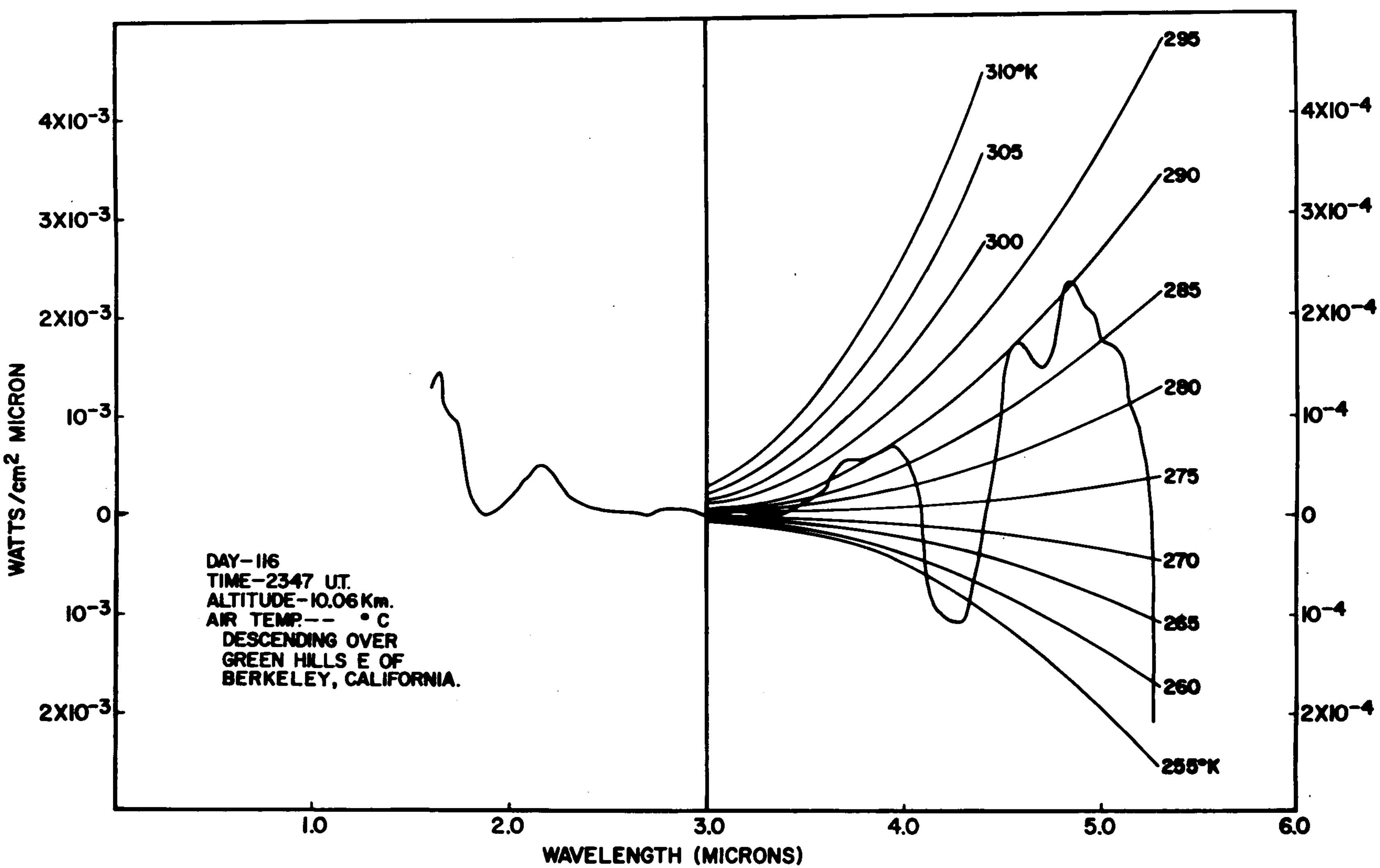


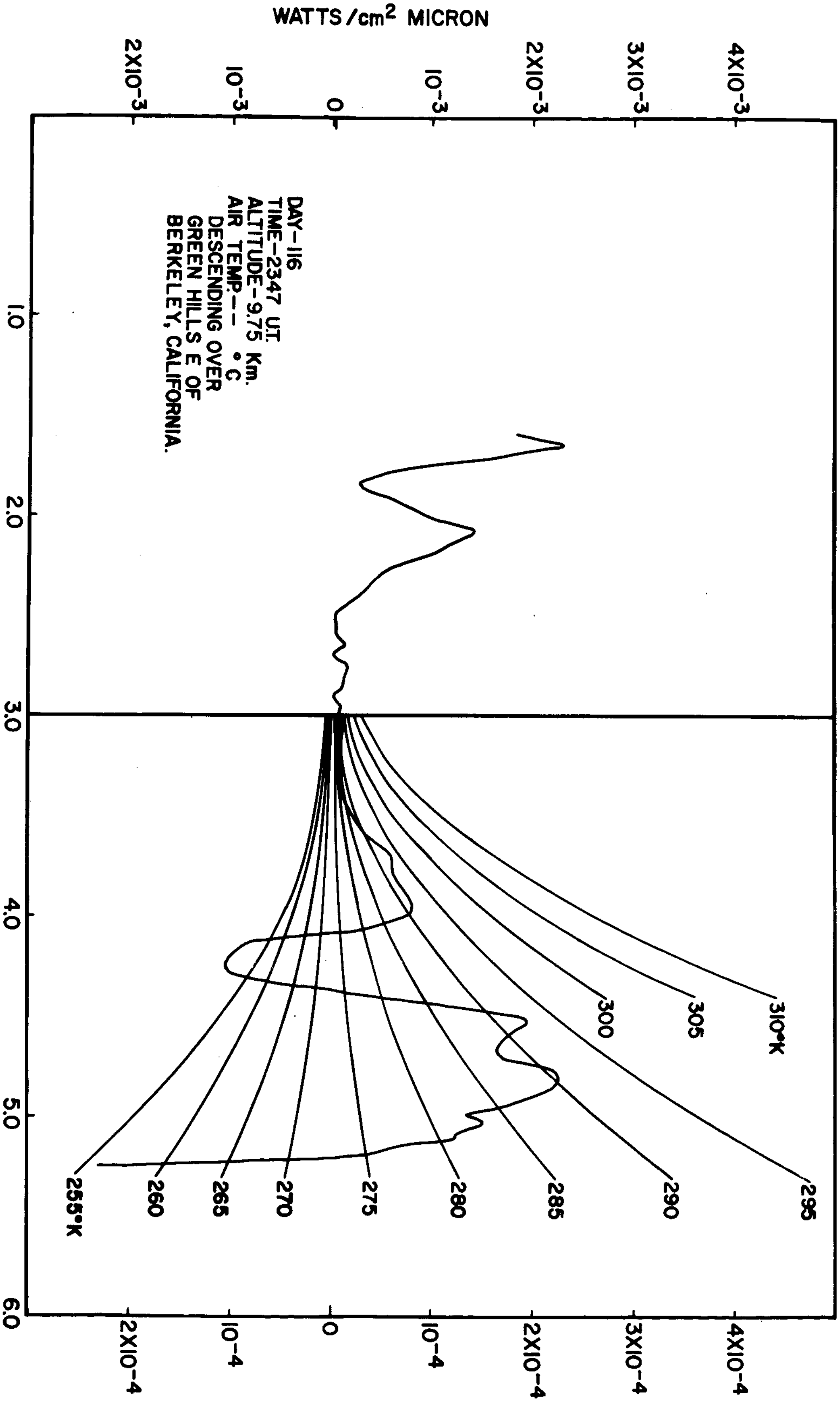
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2345 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--57° C
SW OF
SACRAMENTO, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-116
TIME-2346 U.T.
ALTITUDE-11.13 Km.
AIR TEMP.-- °C
DESCENDING E OF
BERKELEY, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

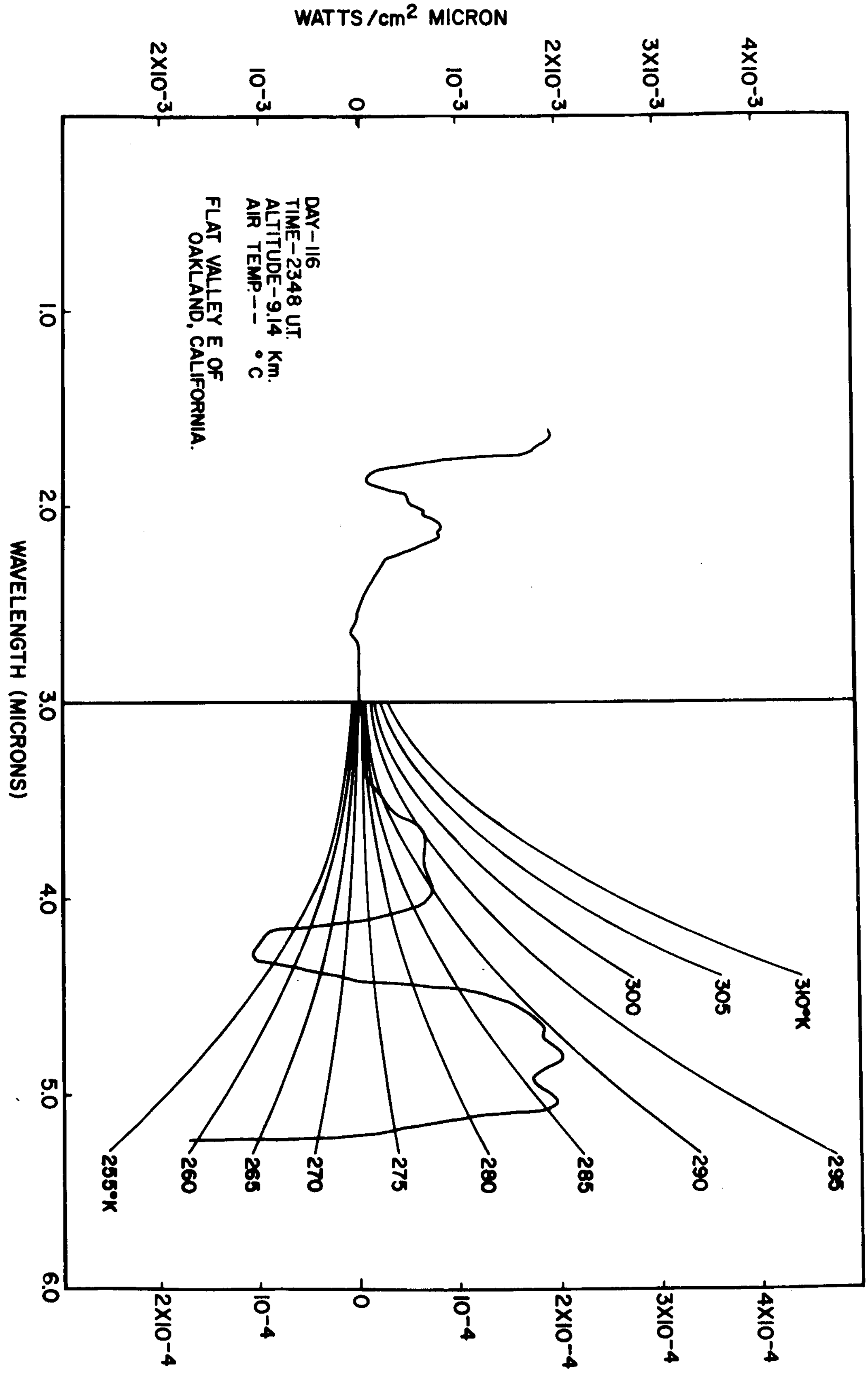


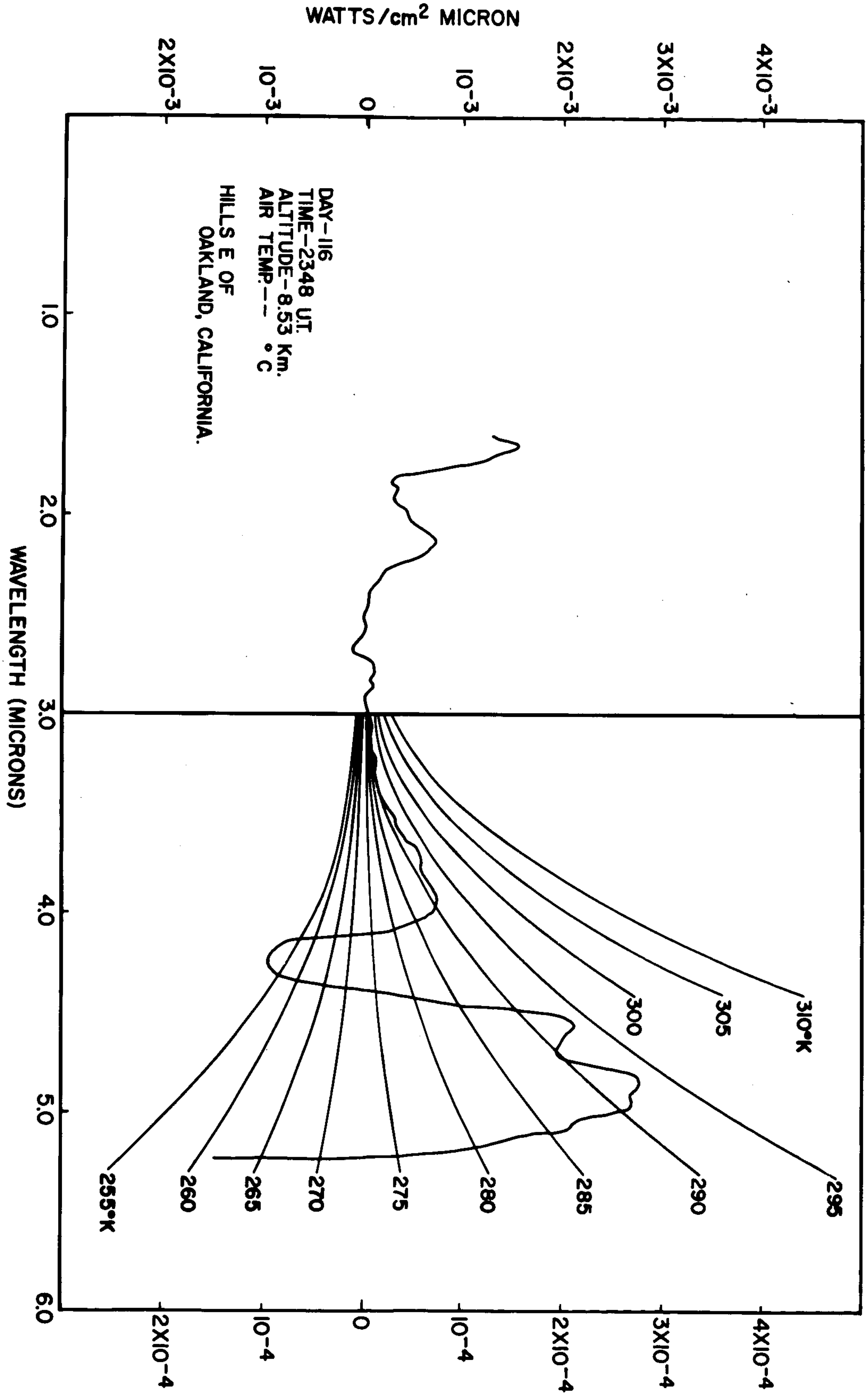
WATTS/cm² MICRON
$4X10^{-3}$
$3X10^{-3}$
$2X10^{-3}$
10^{-3}
0
DAY-116
TIME-2346 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.-- °C
DESCENDING OVER
GREEN HILLS E OF
BERKELEY, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
$4X10^{-4}$
$3X10^{-4}$
$2X10^{-4}$
10^{-4}

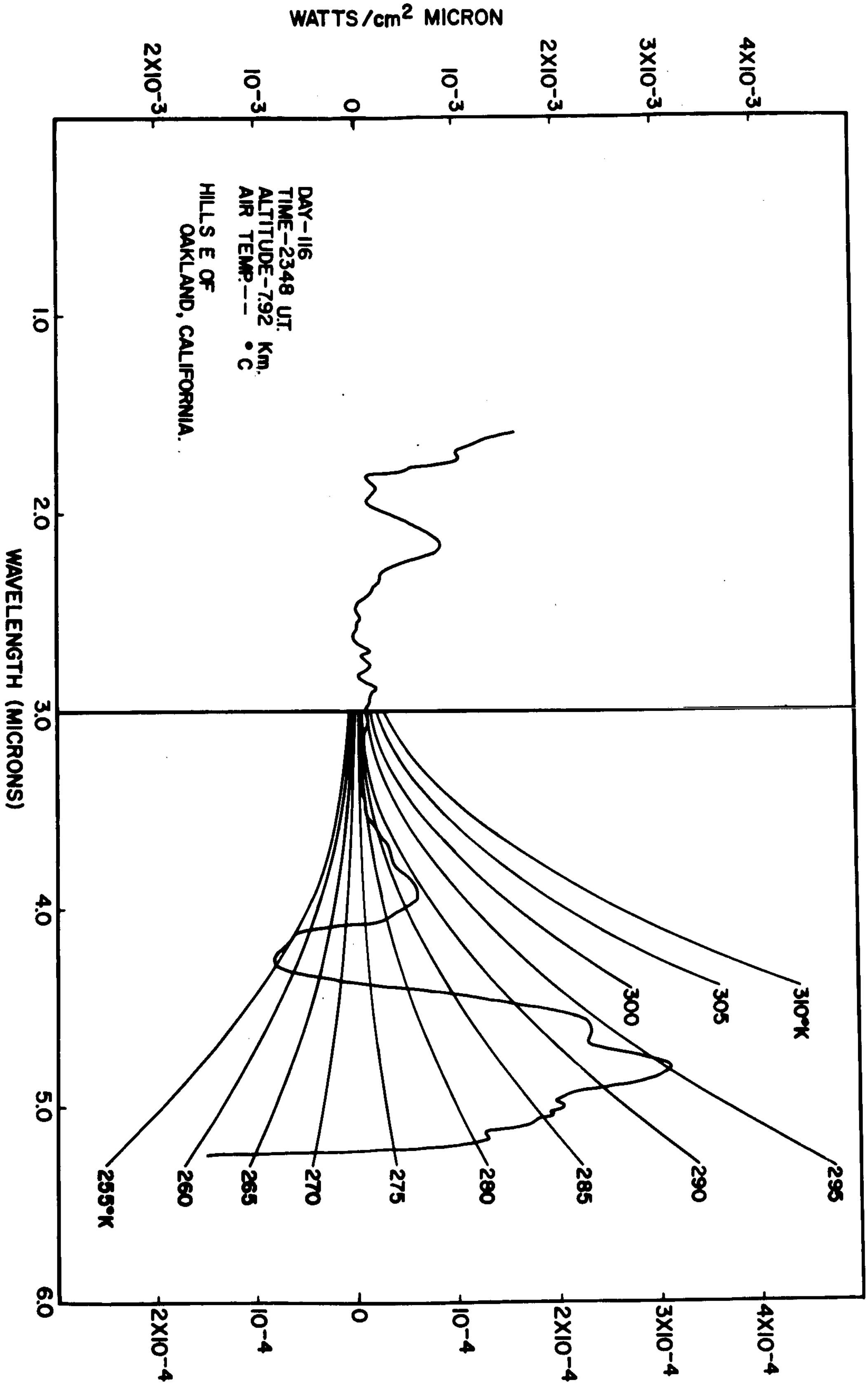

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-116
TIME-2347 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.-- °C
DESCENDING OVER
GREEN HILLS E OF
BERKELEY, CALIFORNIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

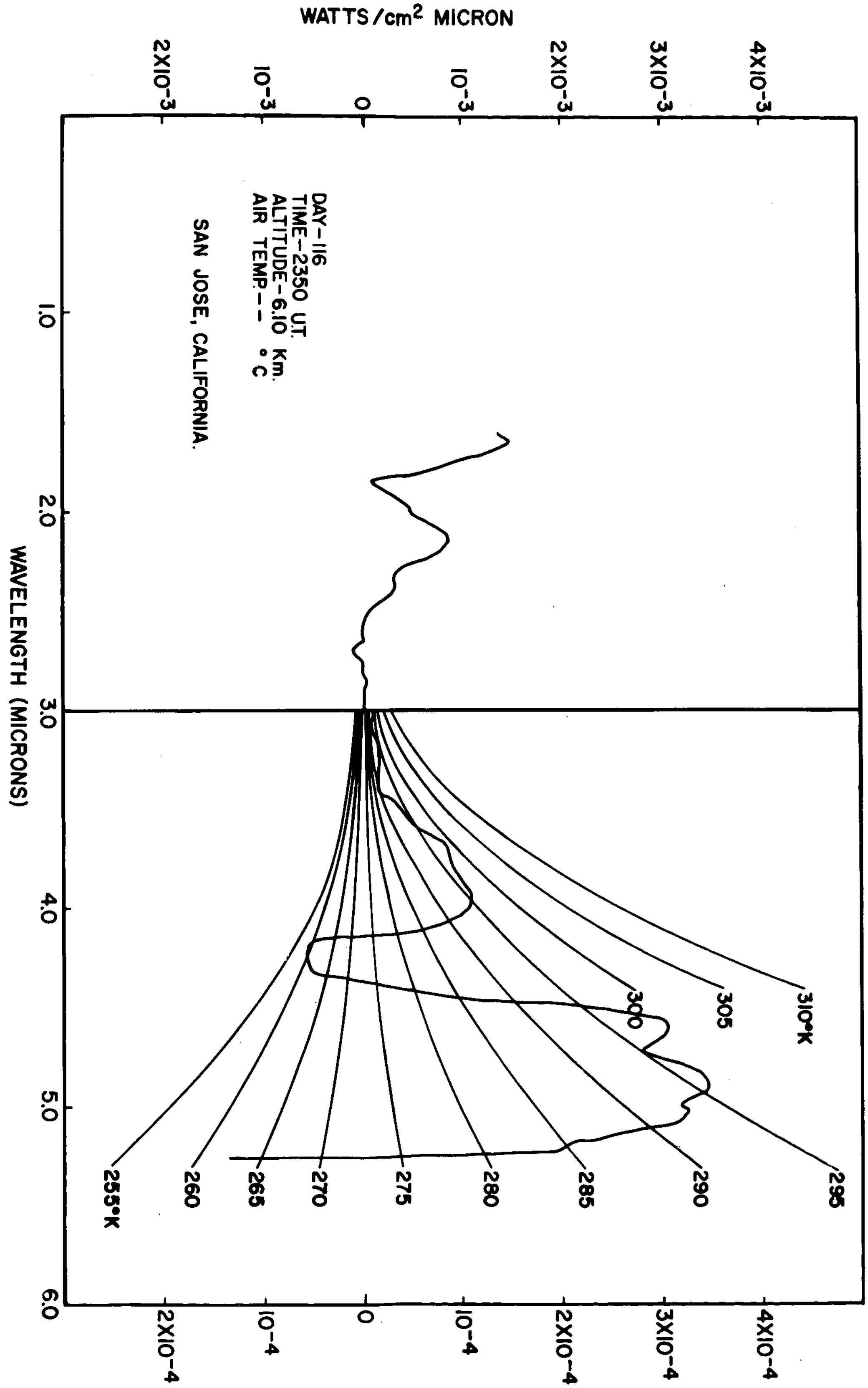


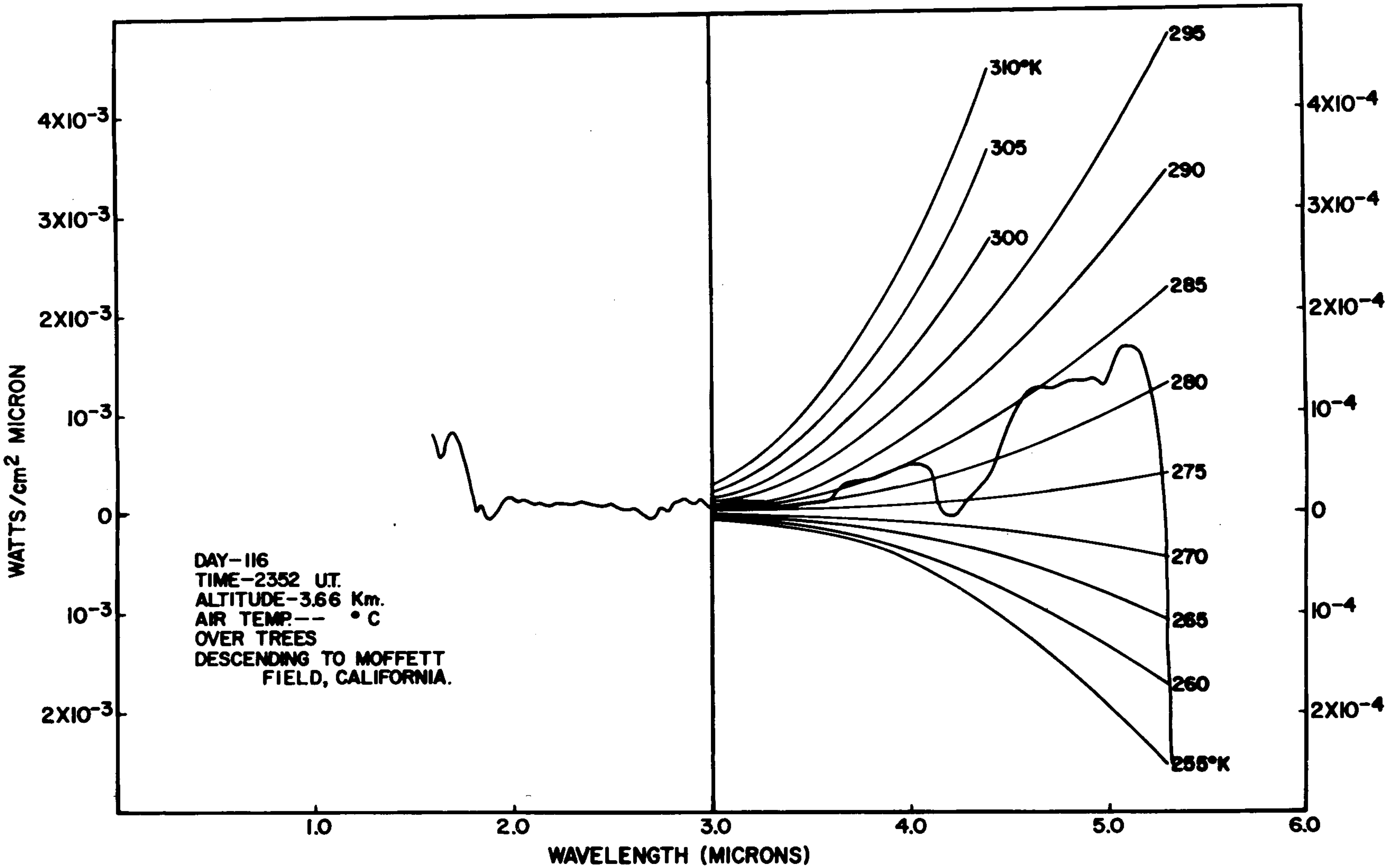
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2347 U.T.
ALTITUDE-9.75 Km.
AIR TEMP.-- °C
DESCENDING OVER
GREEN HILLS E OF
BERKELEY, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

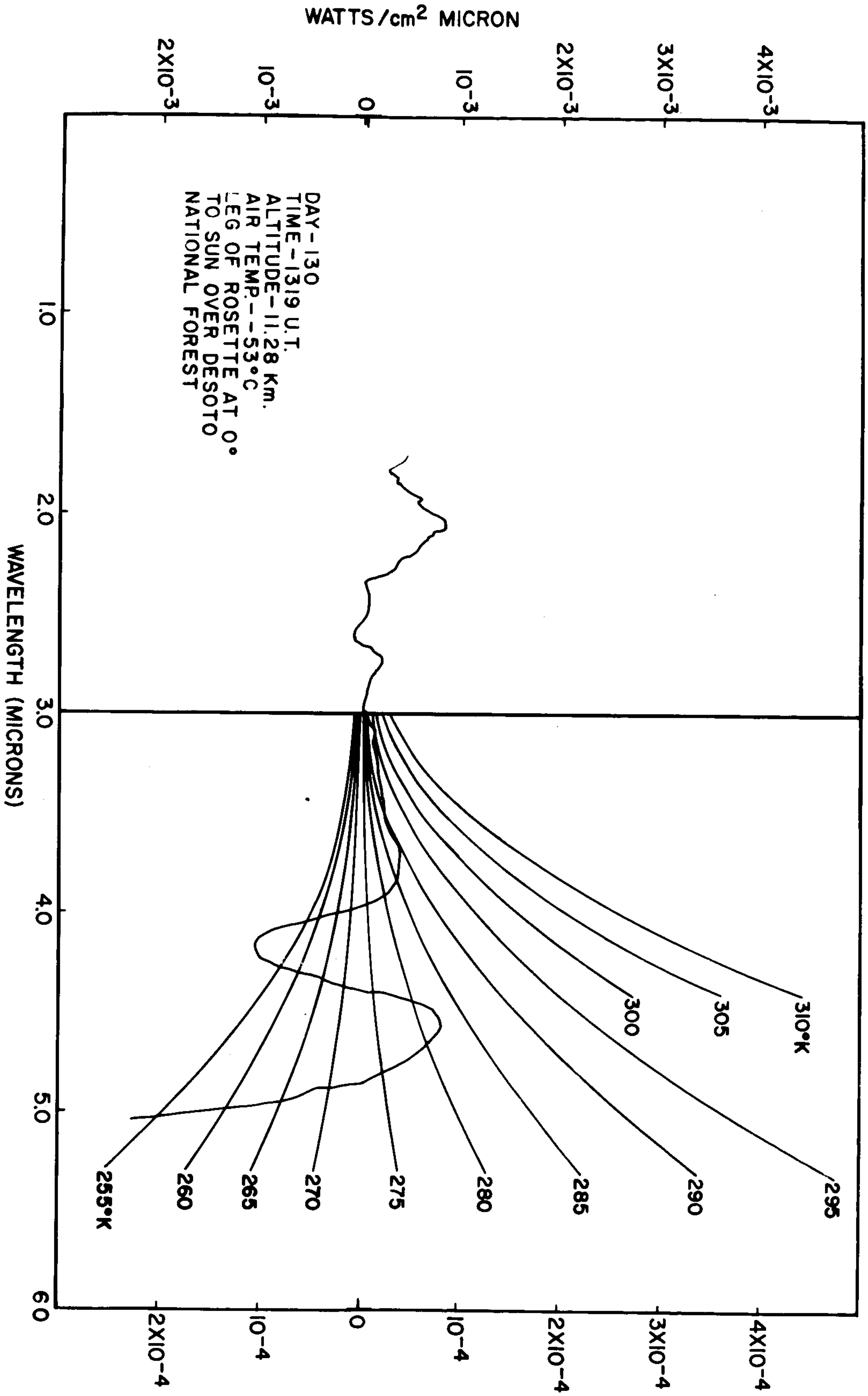

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2348 U.T.
ALTITUDE-9.14 Km.
AIR TEMP.-- °C
FLAT VALLEY E OF
OAKLAND, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

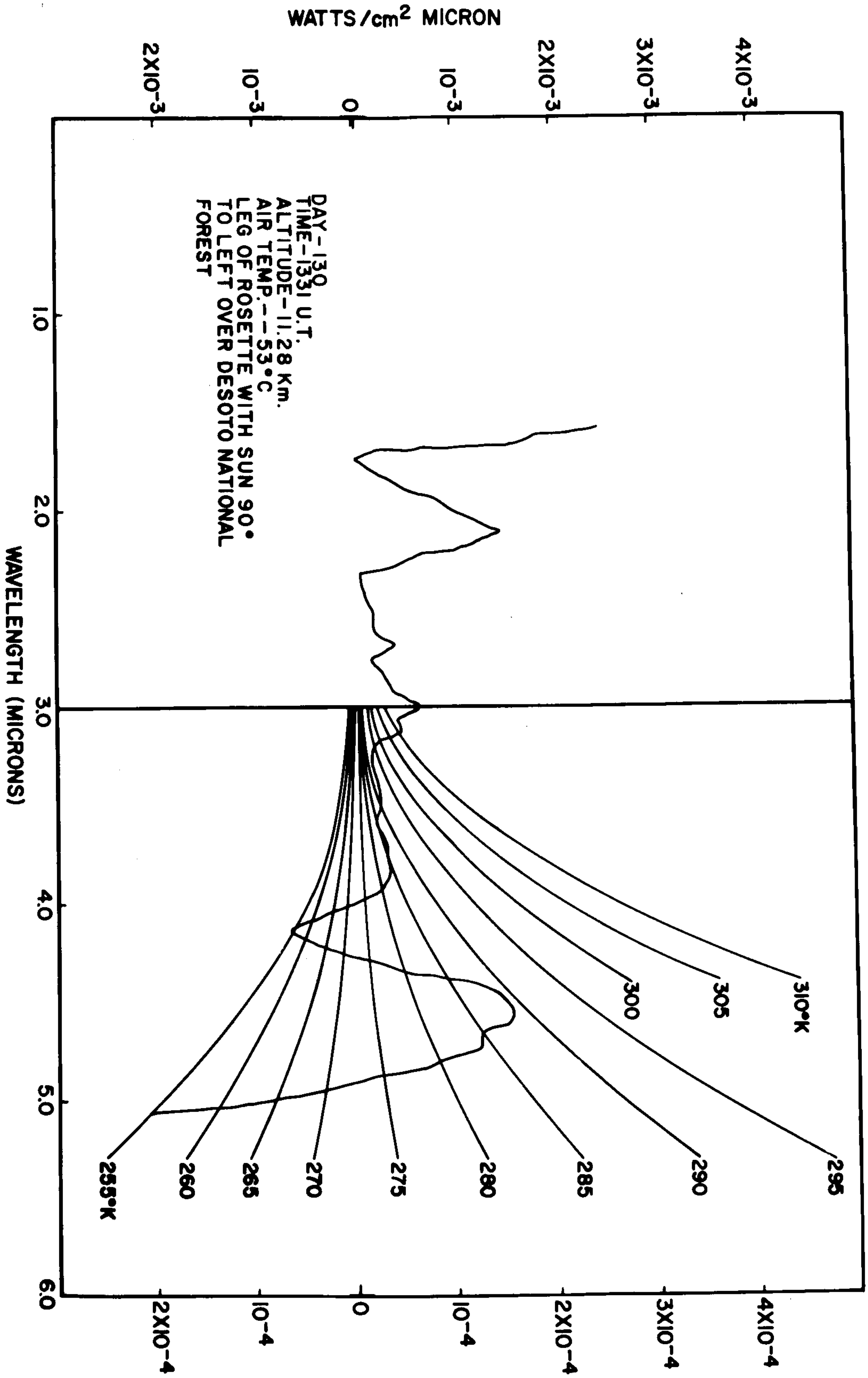

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-116
TIME-2348 UT.
ALTITUDE-8.53 Km.
AIR TEMP.-- °C
HILLS E OF
OAKLAND, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

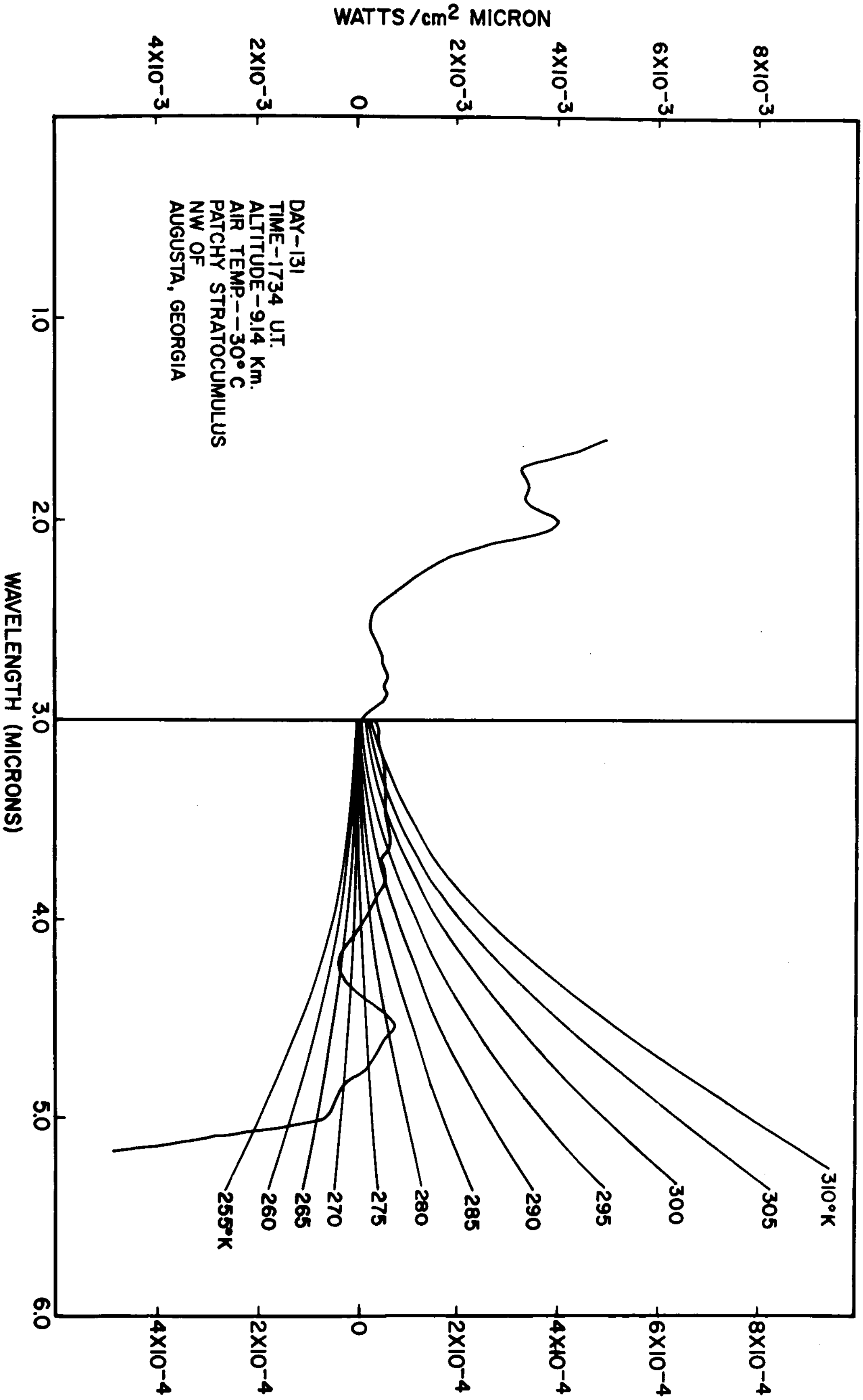

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-116
TIME-2348 U.T.
ALTITUDE-7.92 Km.
AIR TEMP.-- °C
HILLS E OF
OAKLAND, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}

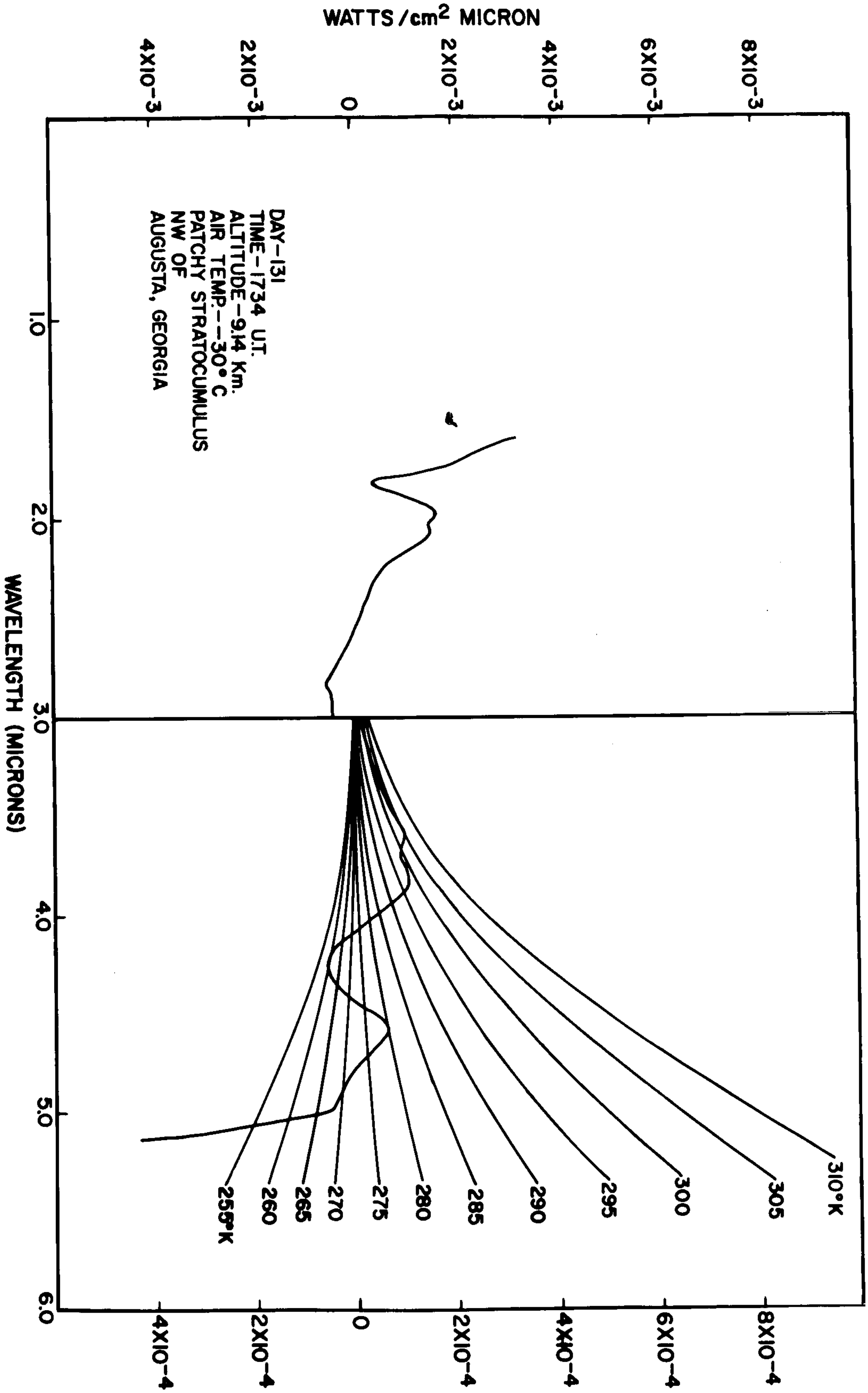

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-116
TIME-2350 U.T.
ALTITUDE-6.10 Km.
AIR TEMP.-- °C
SAN JOSE, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

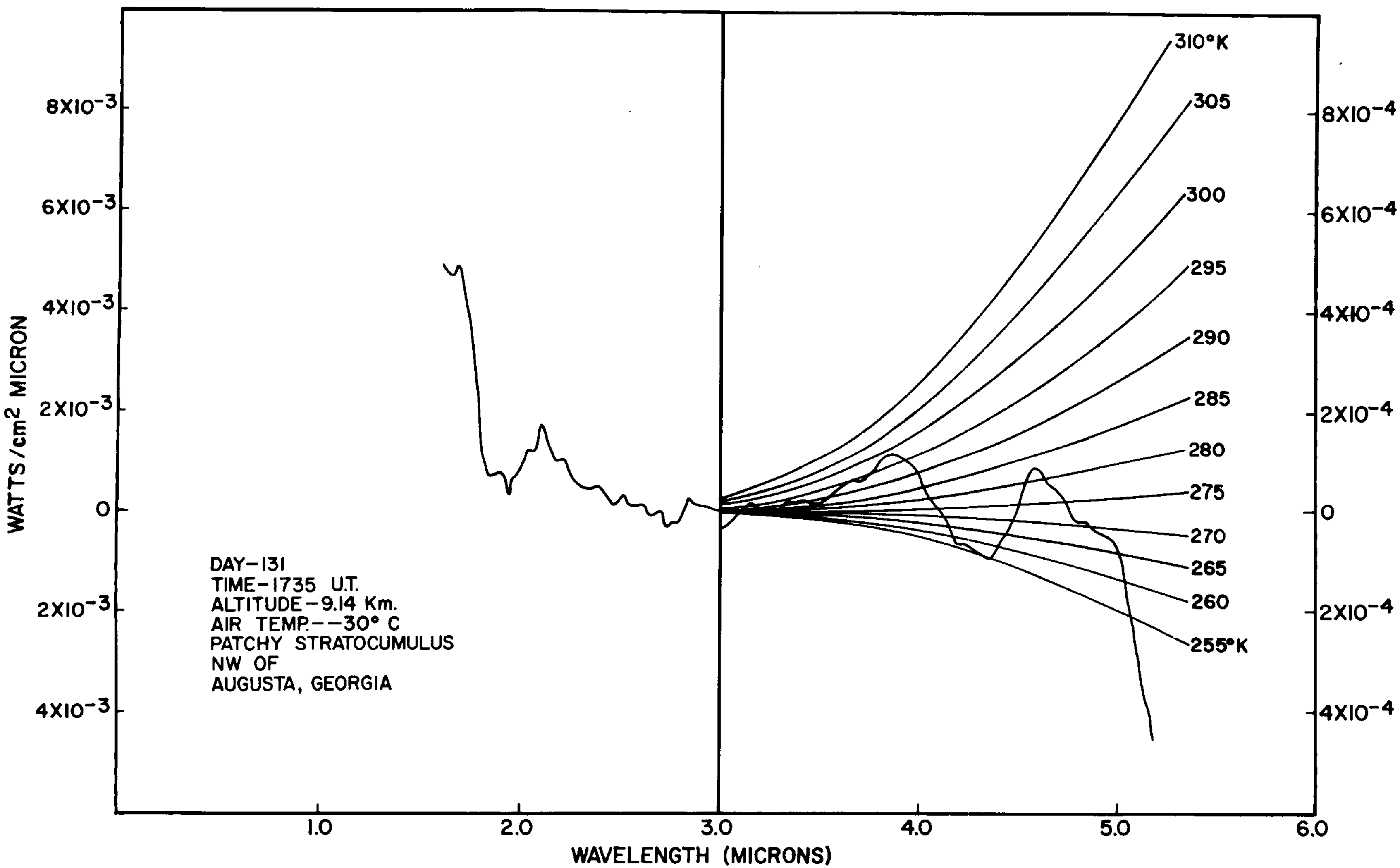

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-116
TIME-2352 U.T.
ALTITUDE-3.66 Km.
AIR TEMP.-- °C
OVER TREES
DESCENDING TO MOFFETT
FIELD, CALIFORNIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

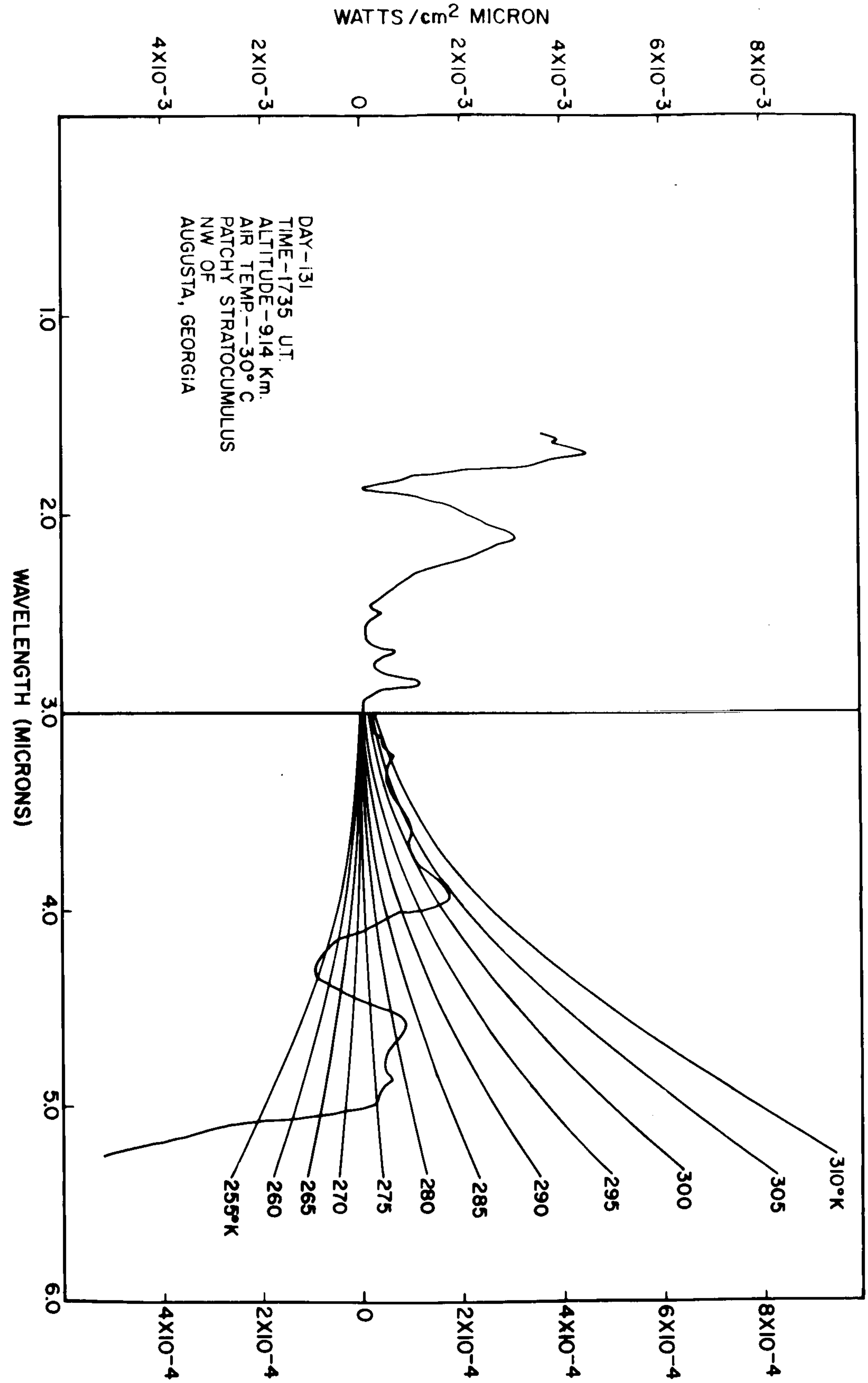

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-130
TIME-1319 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--53°C
LEG OF ROSETTE AT 0°
TO SUN OVER DESOTO
NATIONAL FOREST
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

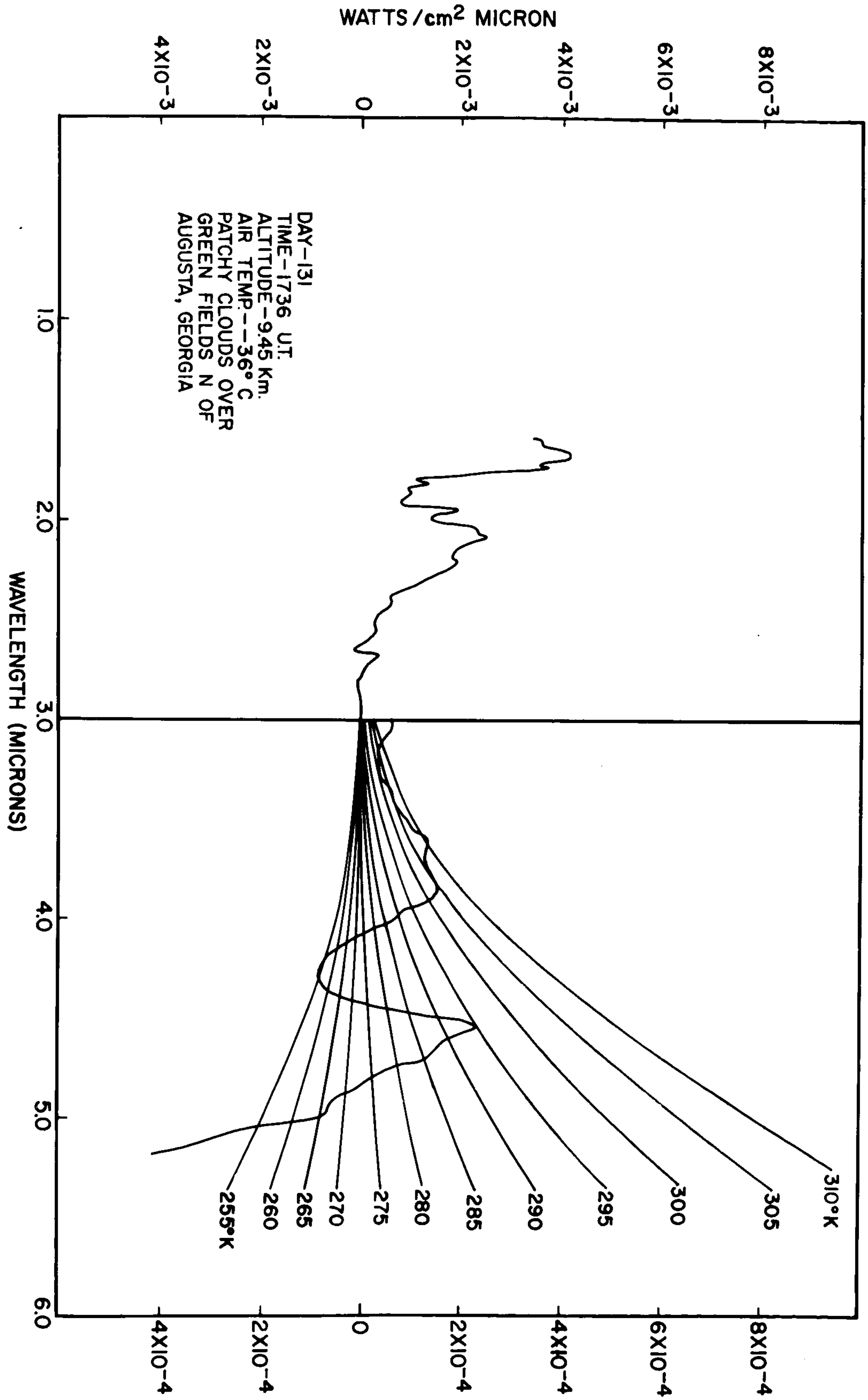

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-130
TIME-1331 U.T.
ALTITUDE-11.28 Km.
AIR TEMP.--53°C
LEG OF ROSETTE WITH SUN 90°
TO LEFT OVER DESOTO NATIONAL
FOREST
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

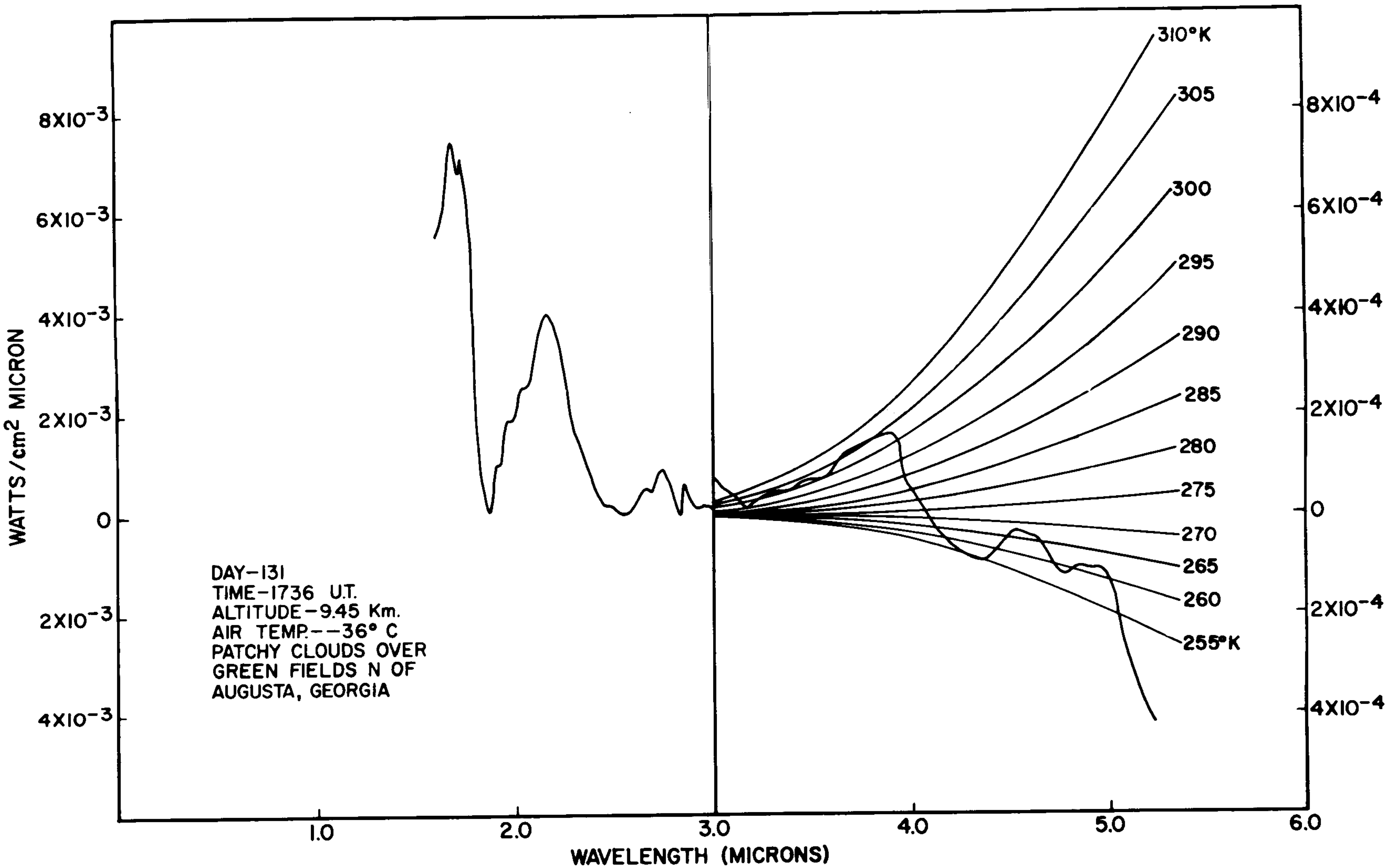

WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1734 U.T.
ALTITUDE-9.14 Km.
AIR TEMP.--30° C
PATCHY STRATOCUMULUS
NW OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1734 U.T.
ALTITUDE-9.14 Km.
AIR TEMP.--30° C
PATCHY STRATOCUMULUS
NW OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

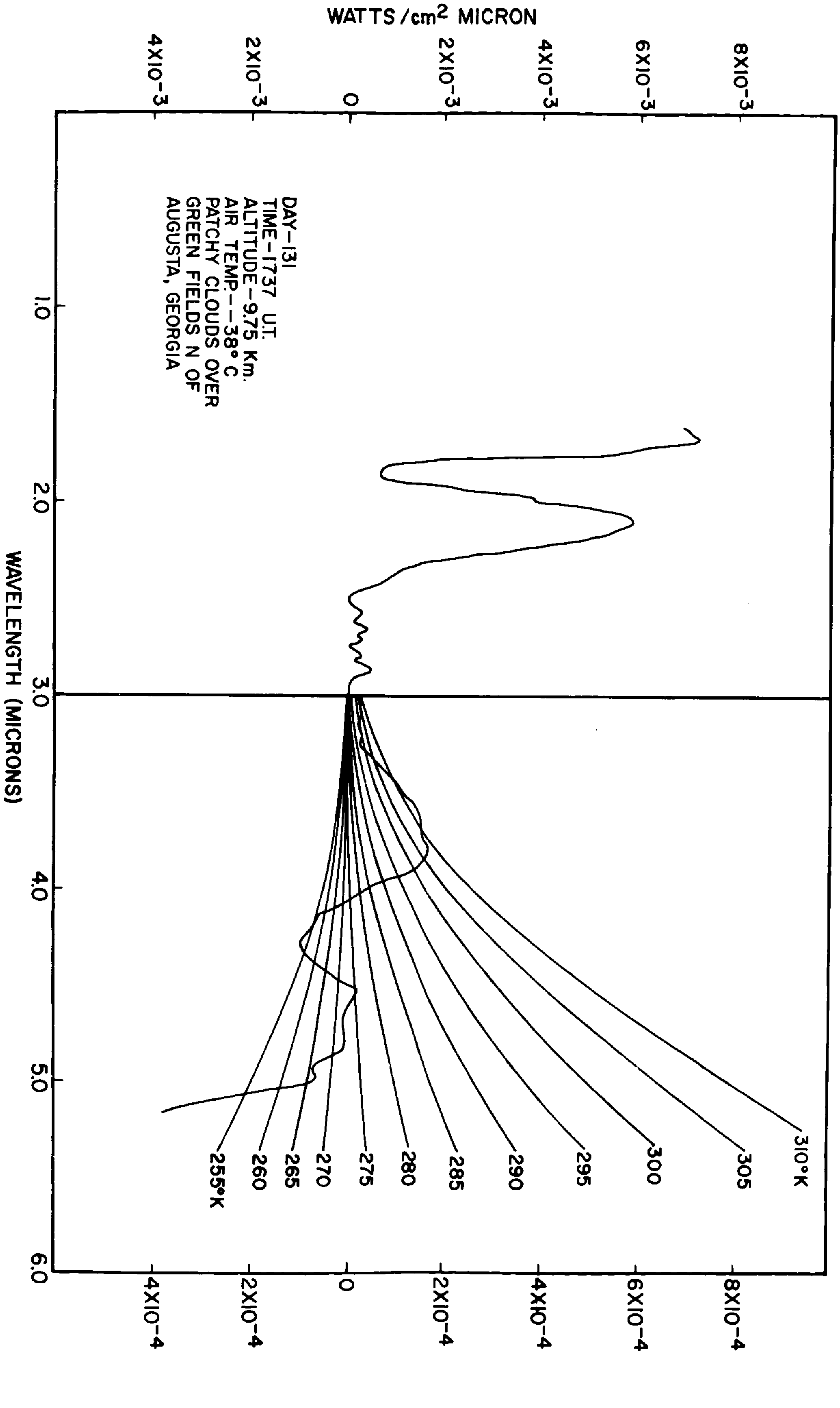

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-131
TIME-1735 U.T.
ALTITUDE-9.14 Km.
AIR TEMP.--30° C
PATCHY STRATOCUMULUS
NW OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

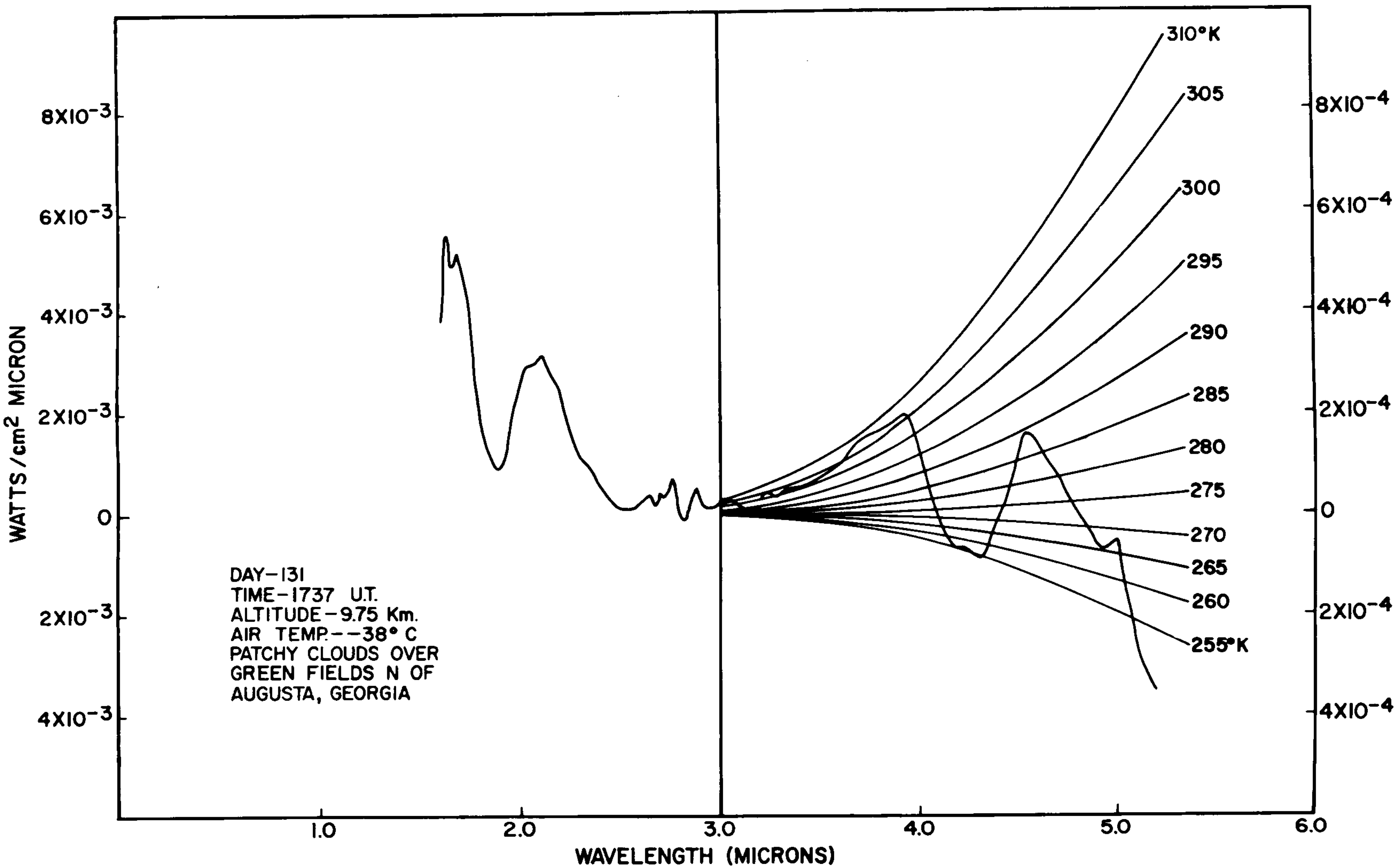

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1735 U.T.
ALTITUDE-9.14 Km.
AIR TEMP.--30° C
PATCHY STRATOCUMULUS
NW OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

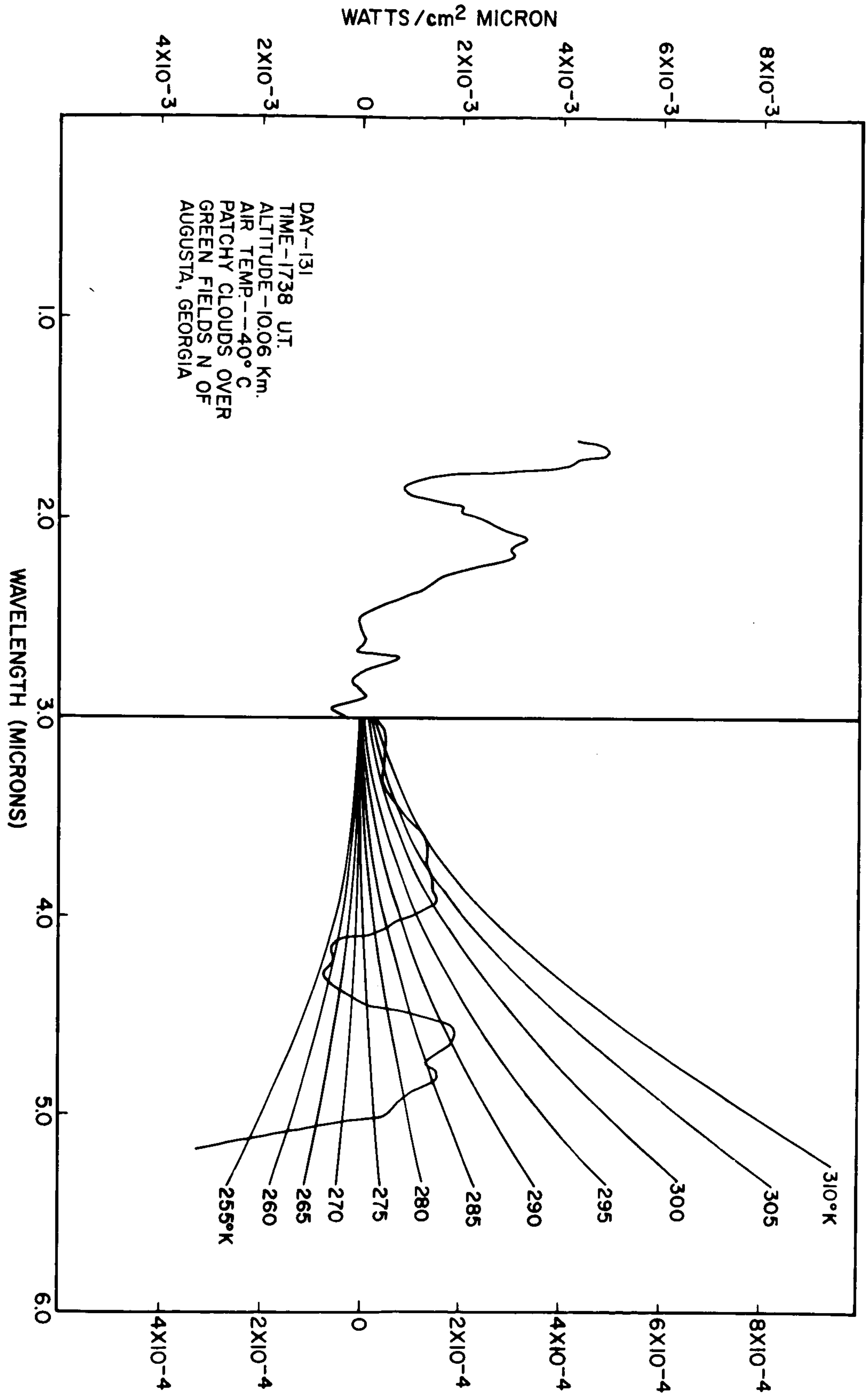

WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1736 U.T.
ALTITUDE-9.45 Km.
AIR TEMP.--36° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

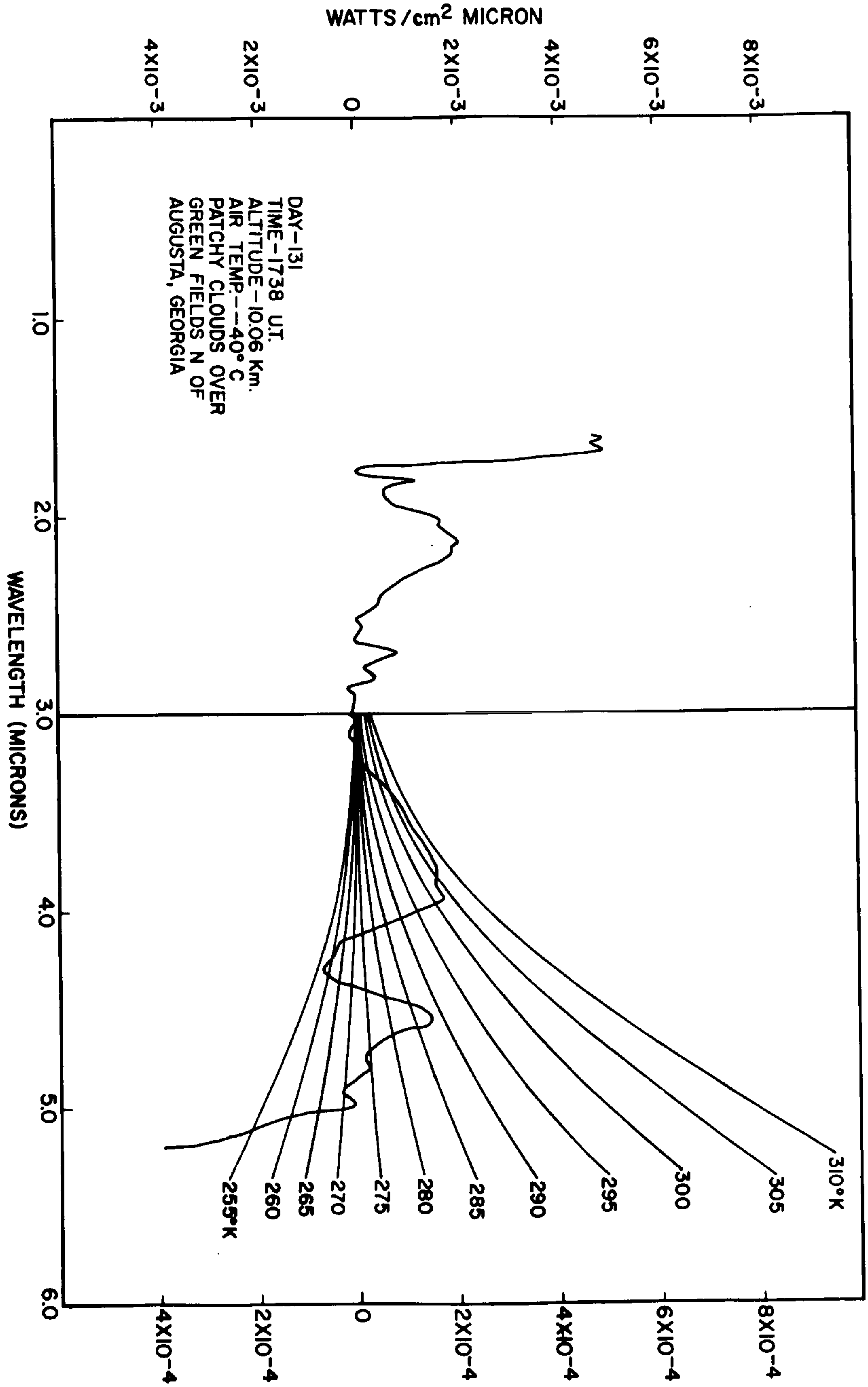


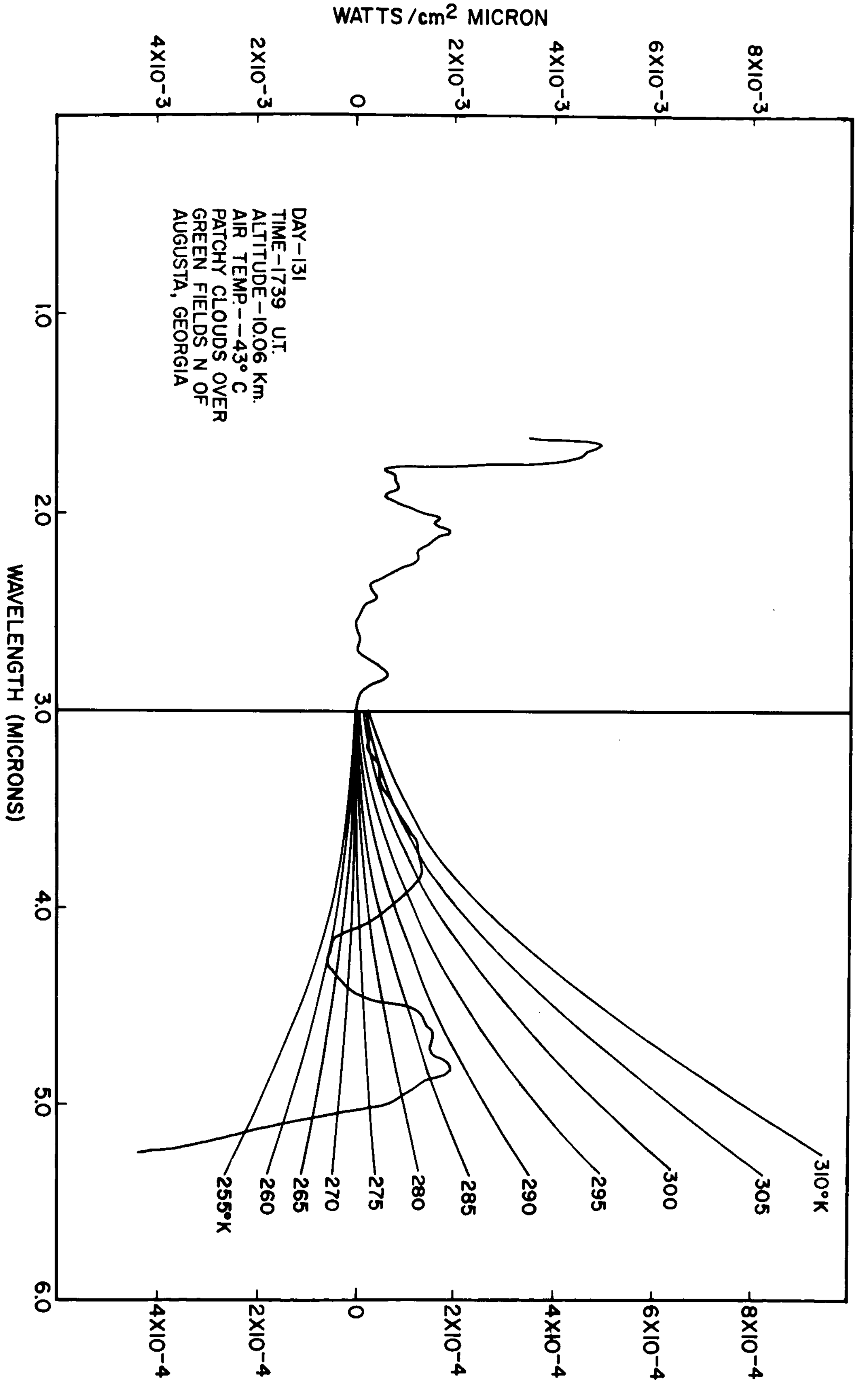
WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
DAY-131
TIME-1736 U.T.
ALTITUDE-9.45 Km.
AIR TEMP.--36° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

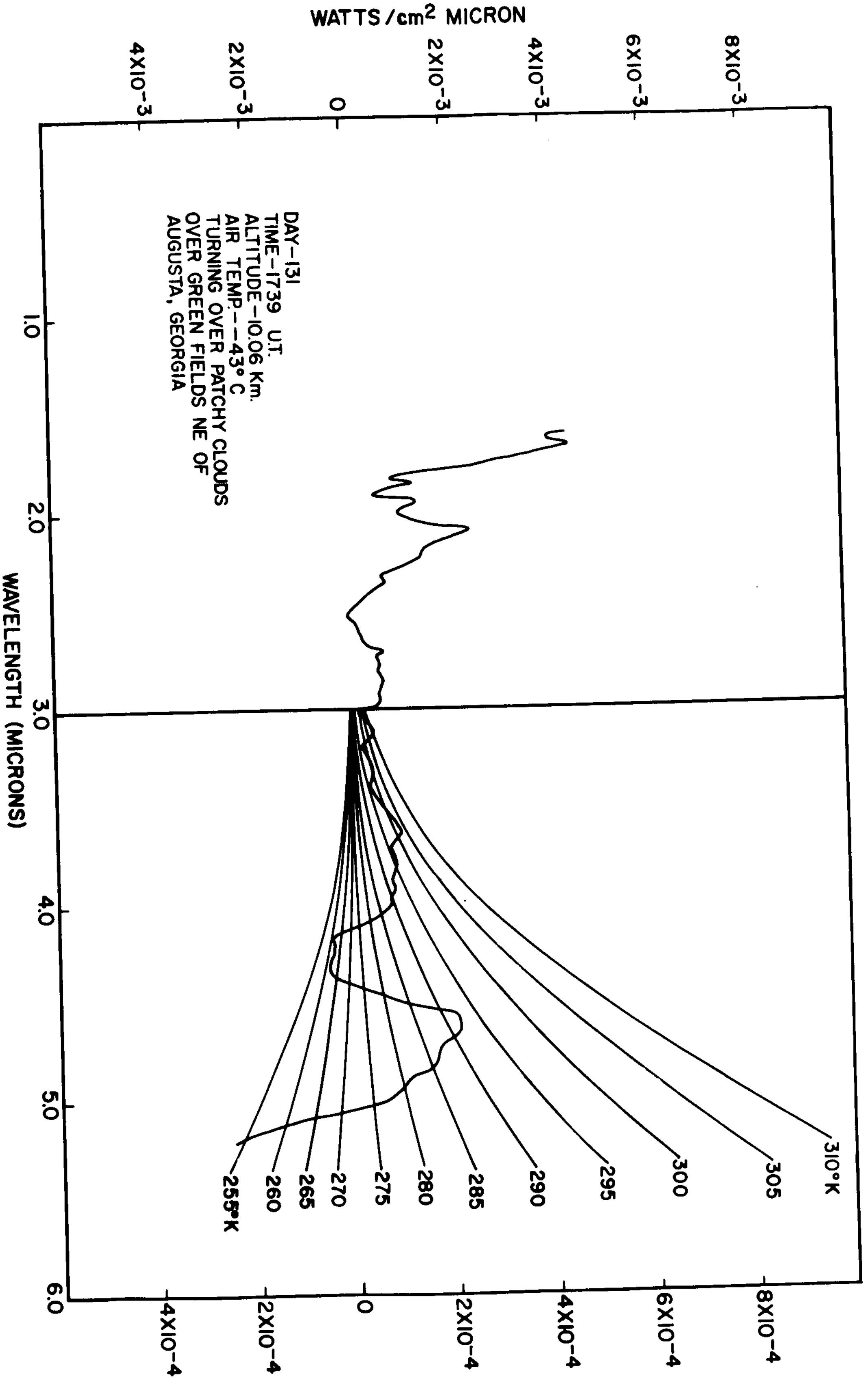

WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1737 U.T.
ALTITUDE-9.75 Km.
AIR TEMP.--38° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴


WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
DAY–131
TIME–1737 U.T.
ALTITUDE–9.75 Km.
AIR TEMP.––38° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

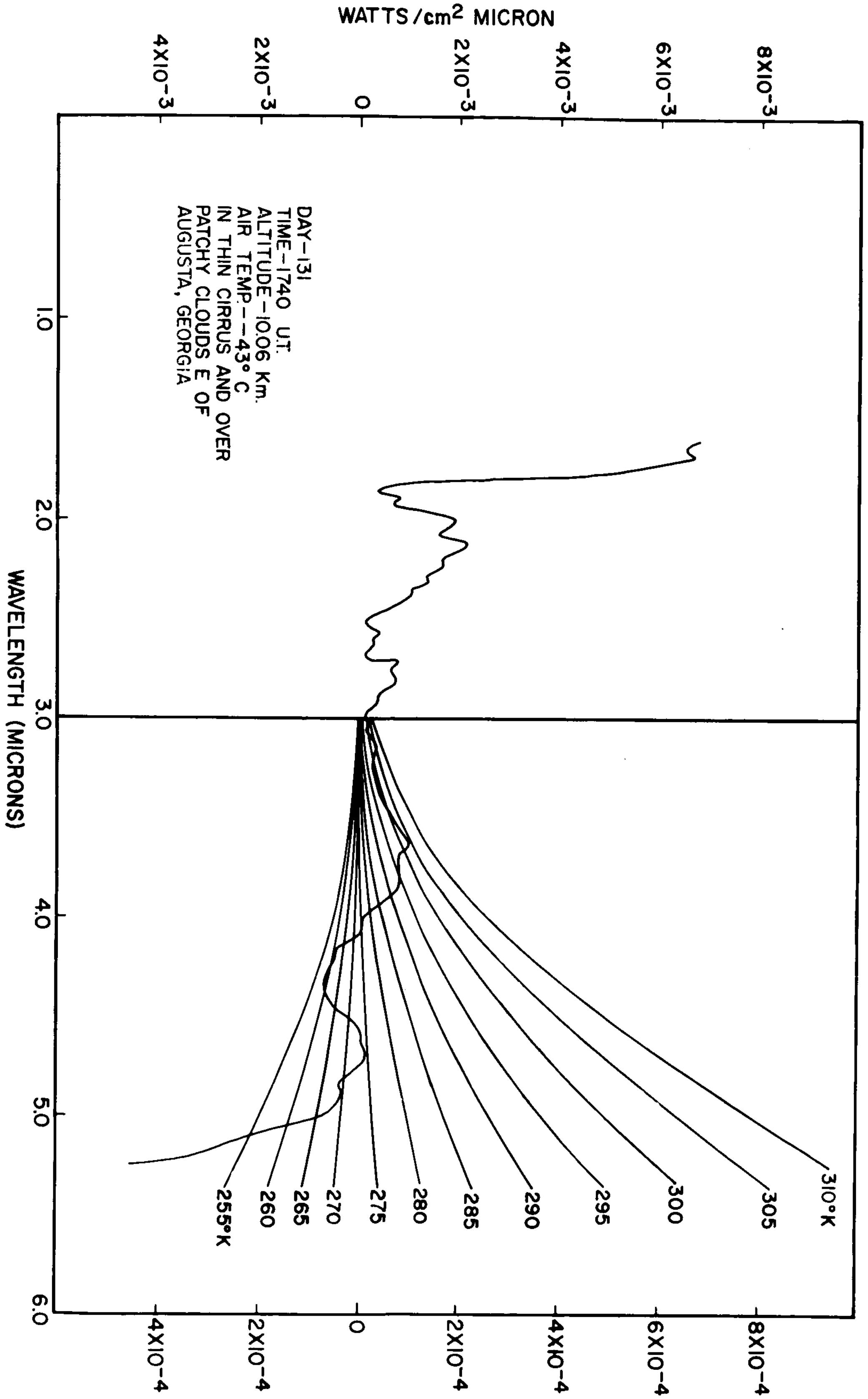

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1738 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--40° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴


WATTS / cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-1738 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--40° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4

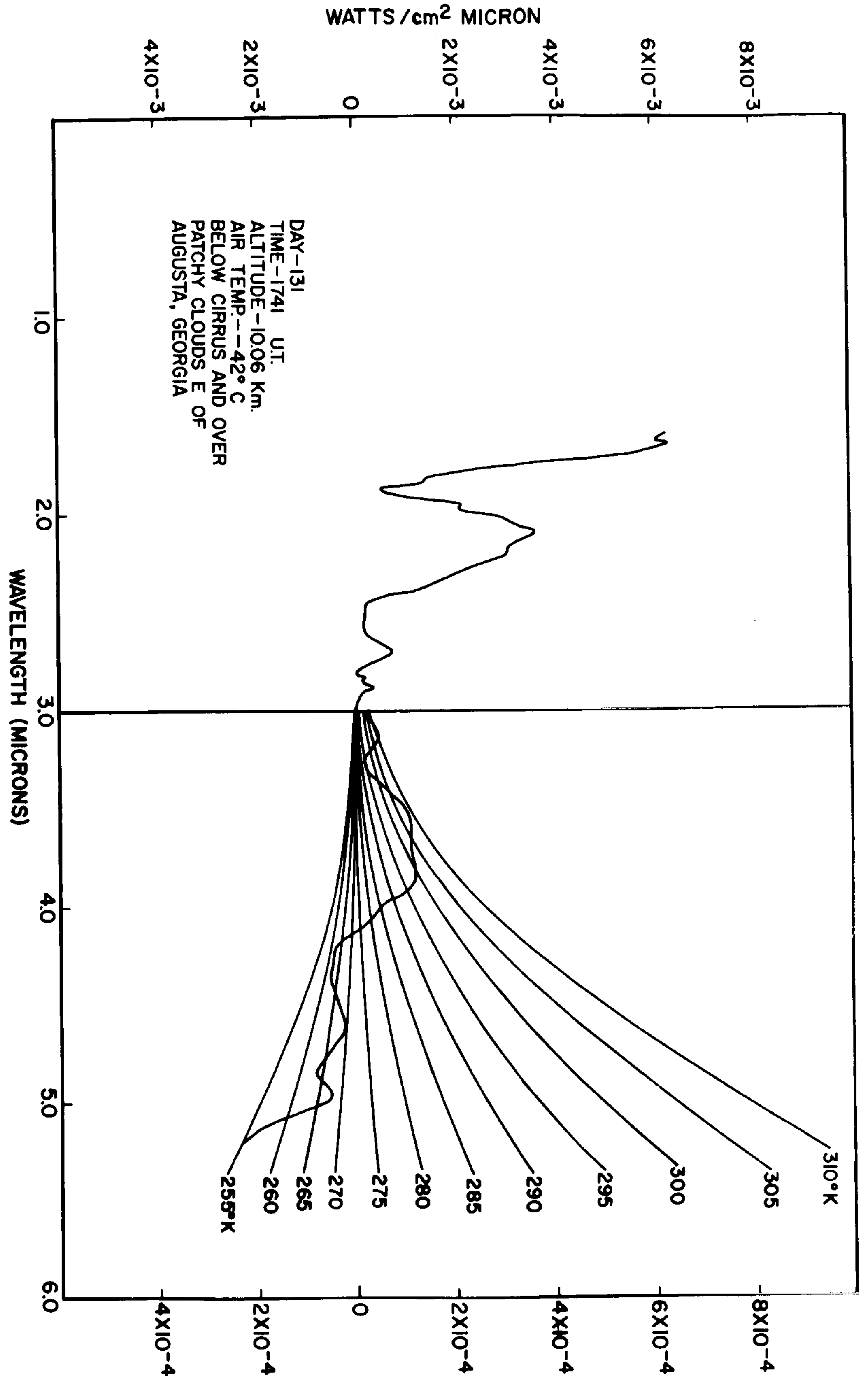

WATTS/cm2 MICRON
8X10−3
6X10−3
4X10−3
2X10−3
0
2X10−3
4X10−3
DAY−131
TIME−1739 U.T.
ALTITUDE−10.06 Km.
AIR TEMP.−−43° C
PATCHY CLOUDS OVER
GREEN FIELDS N OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10−4
6X10−4
4X10−4
2X10−4
0
2X10−4
4X10−4

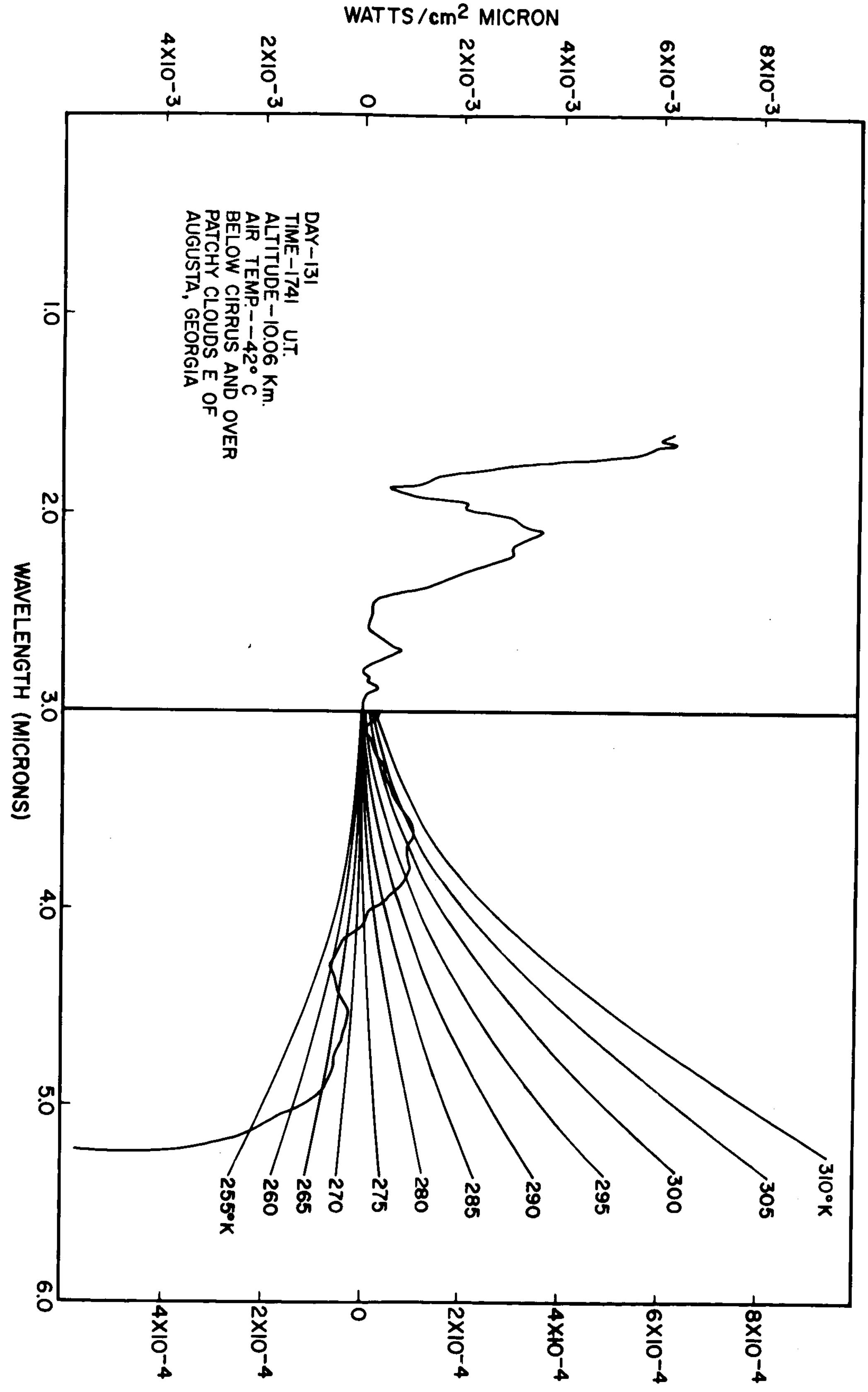


WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1739 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--43° C
TURNING OVER PATCHY CLOUDS
OVER GREEN FIELDS NE OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

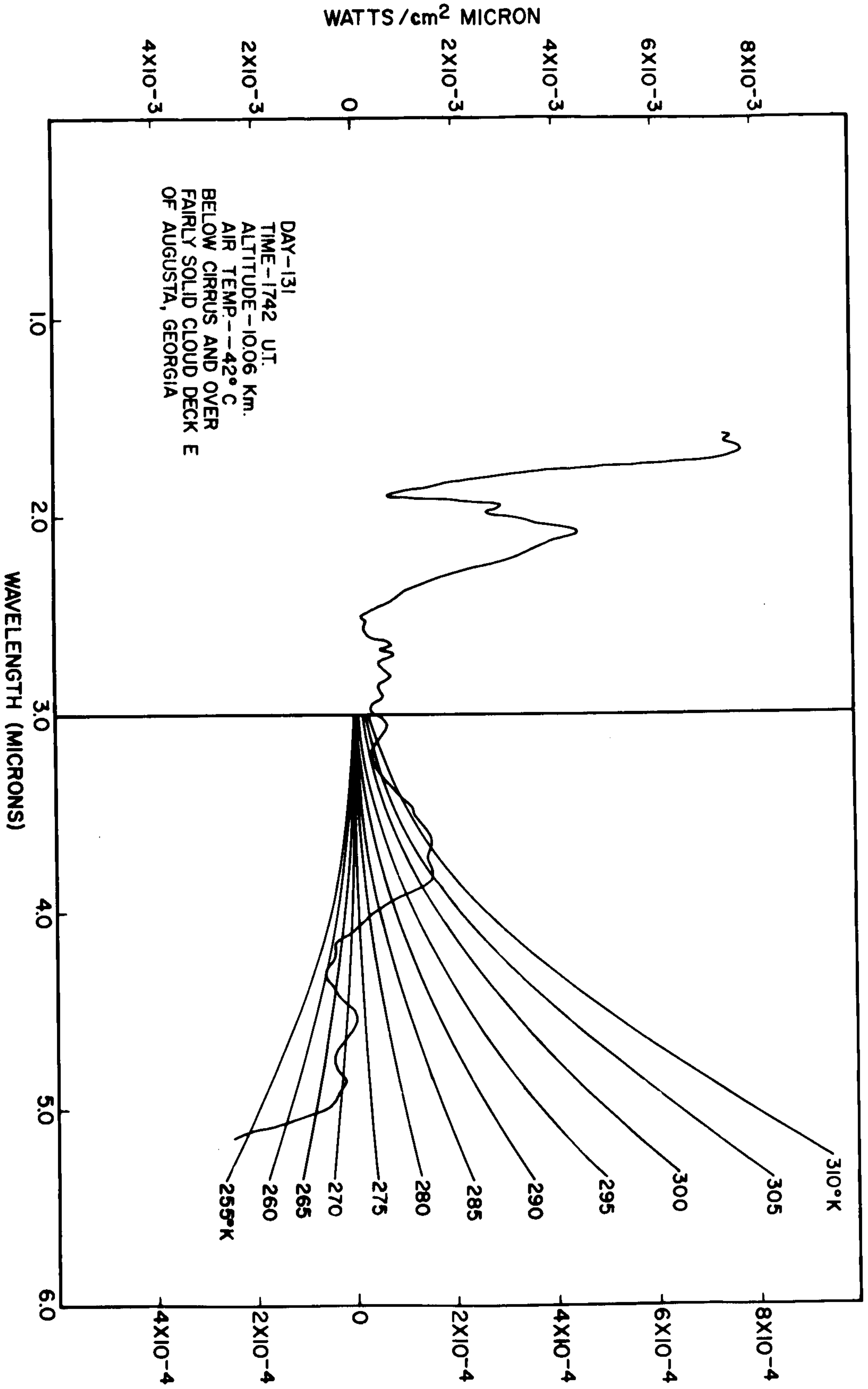


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1740 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--43° C
IN THIN CIRRUS AND OVER
PATCHY CLOUDS E OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

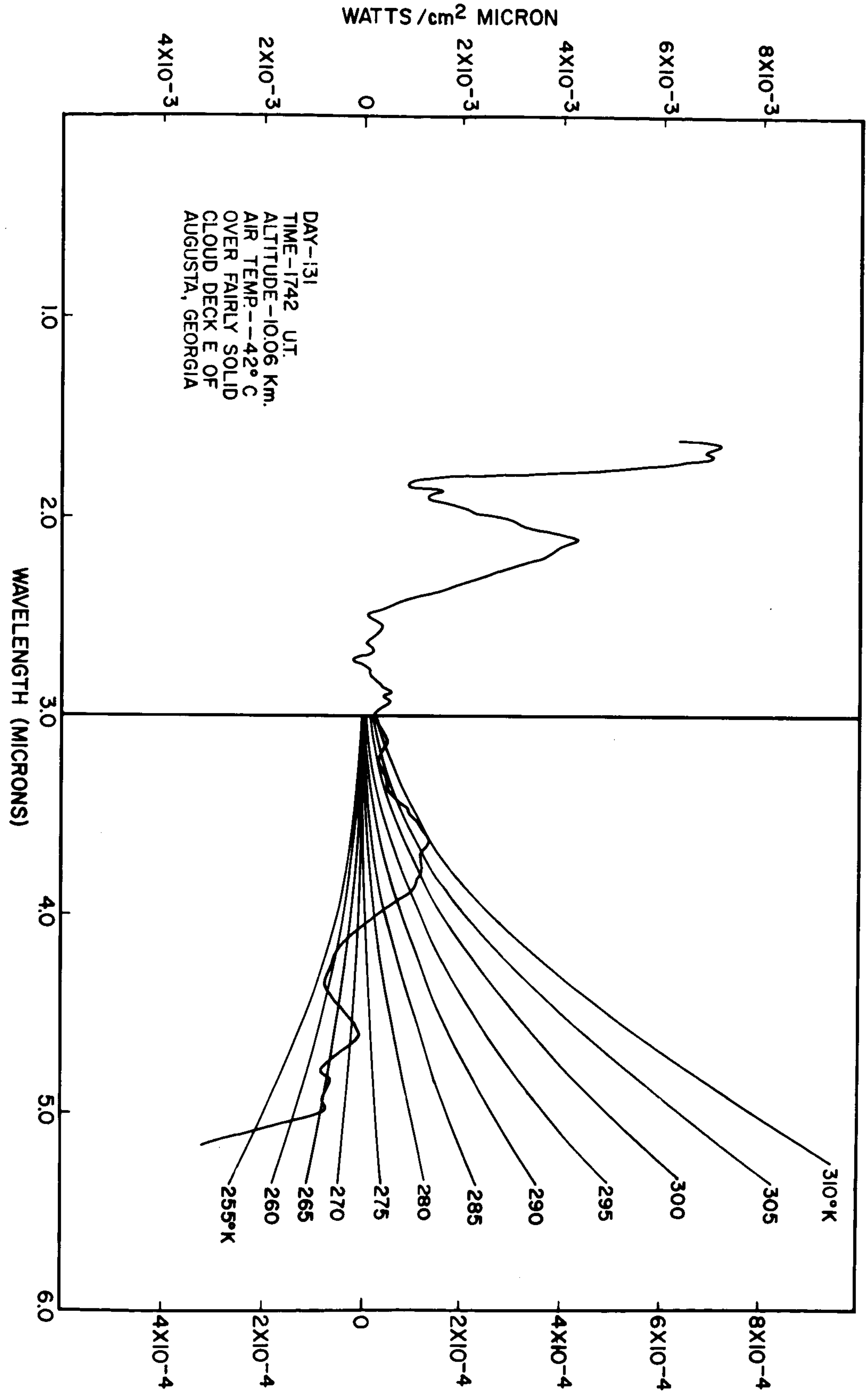

WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1741 U.T.
ALTITUDE-10.06 Km.
AIR TEMP--42° C
BELOW CIRRUS AND OVER
PATCHY CLOUDS E OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

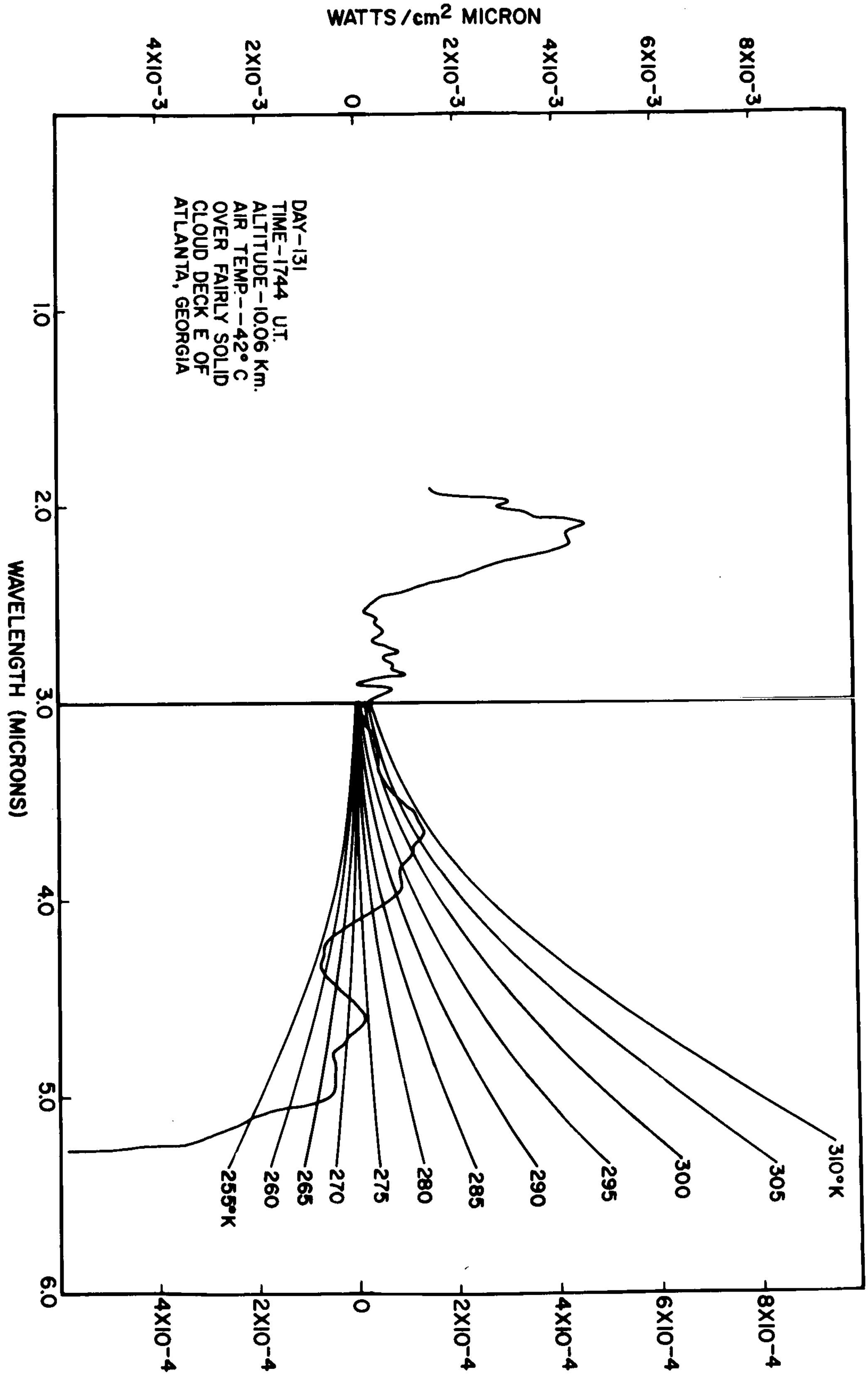


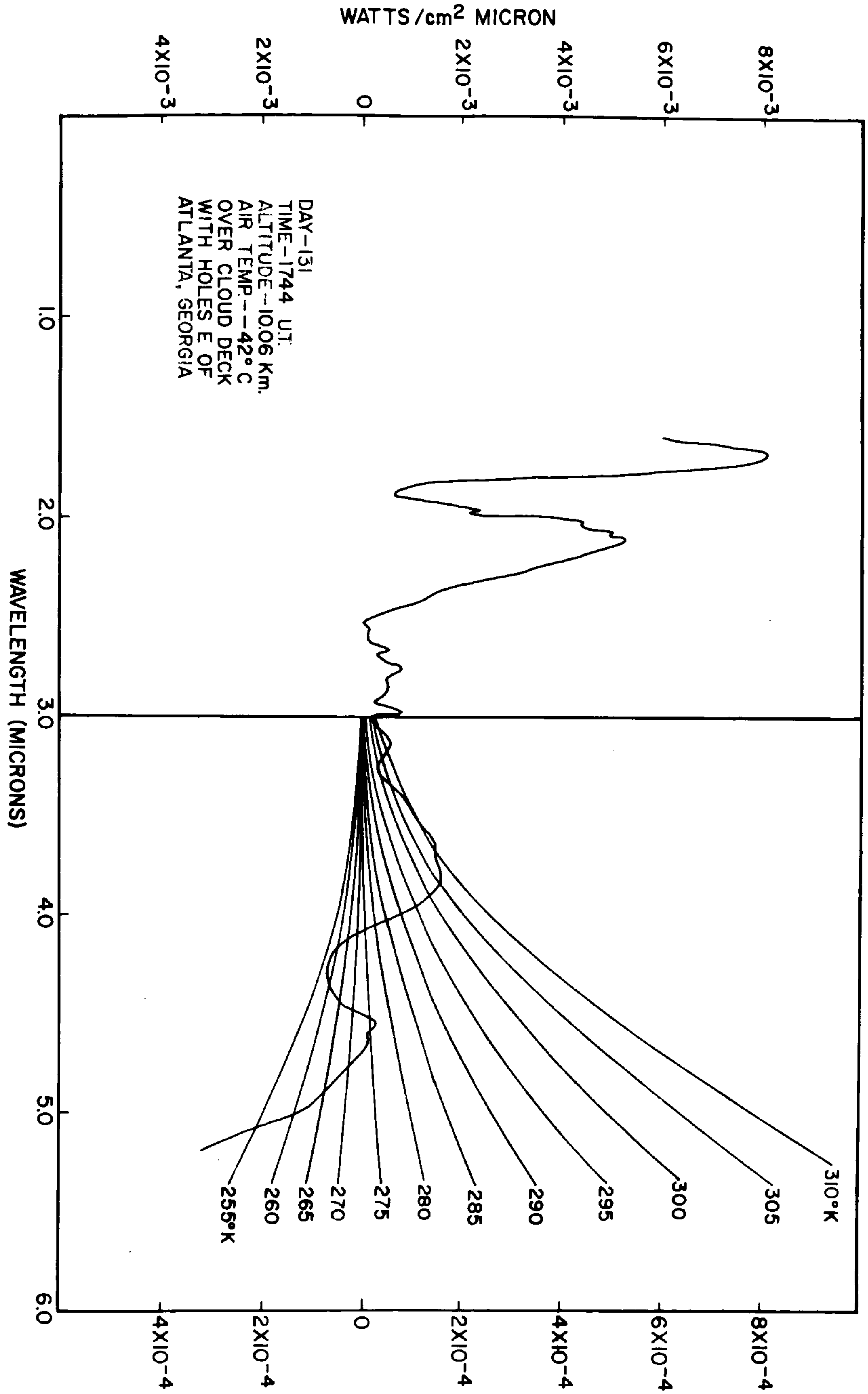
WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1741 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--42° C
BELOW CIRRUS AND OVER
PATCHY CLOUDS E OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

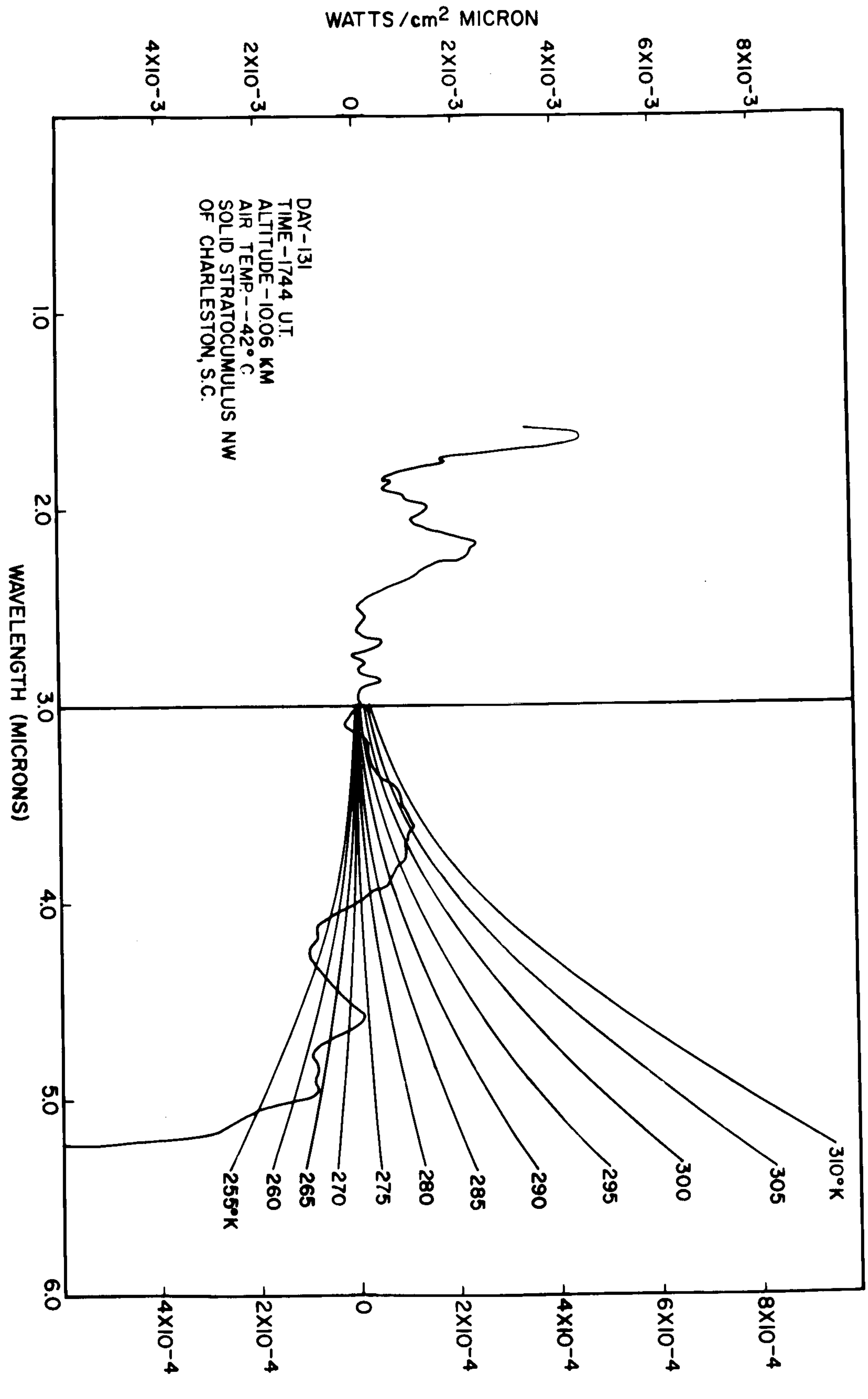


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1742 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--42° C
BELOW CIRRUS AND OVER
FAIRLY SOLID CLOUD DECK E
OF AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

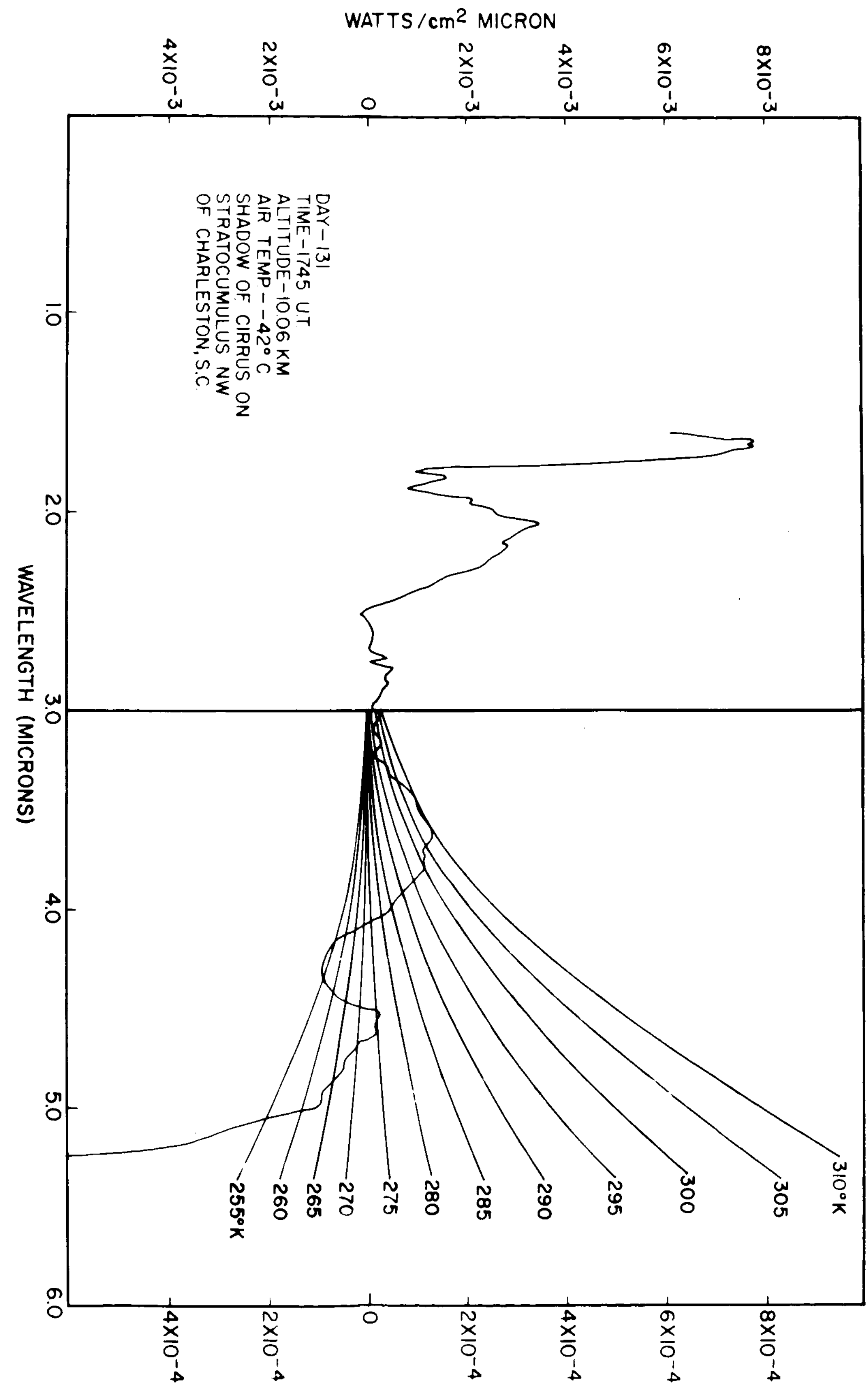

WATTS / cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-1742 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--42° C
OVER FAIRLY SOLID
CLOUD DECK E OF
AUGUSTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4


WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1744 U.T.
ALTITUDE-10.06 Km.
AIR TEMP.--42° C
OVER FAIRLY SOLID
CLOUD DECK E OF
ATLANTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

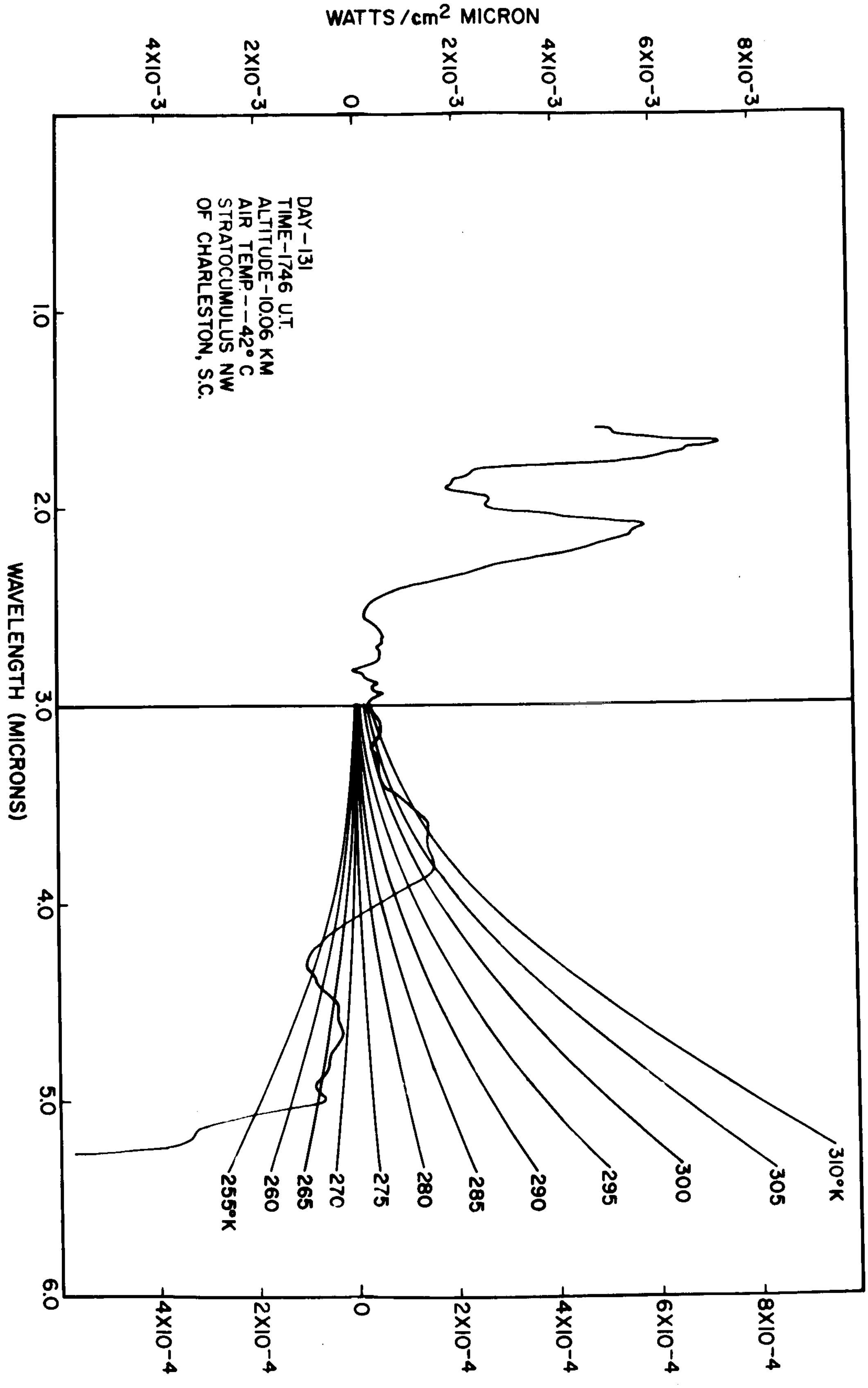

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1744 U.T.
ALTITUDE--10.06 Km.
AIR TEMP.--42° C
OVER CLOUD DECK
WITH HOLES E OF
ATLANTA, GEORGIA
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴



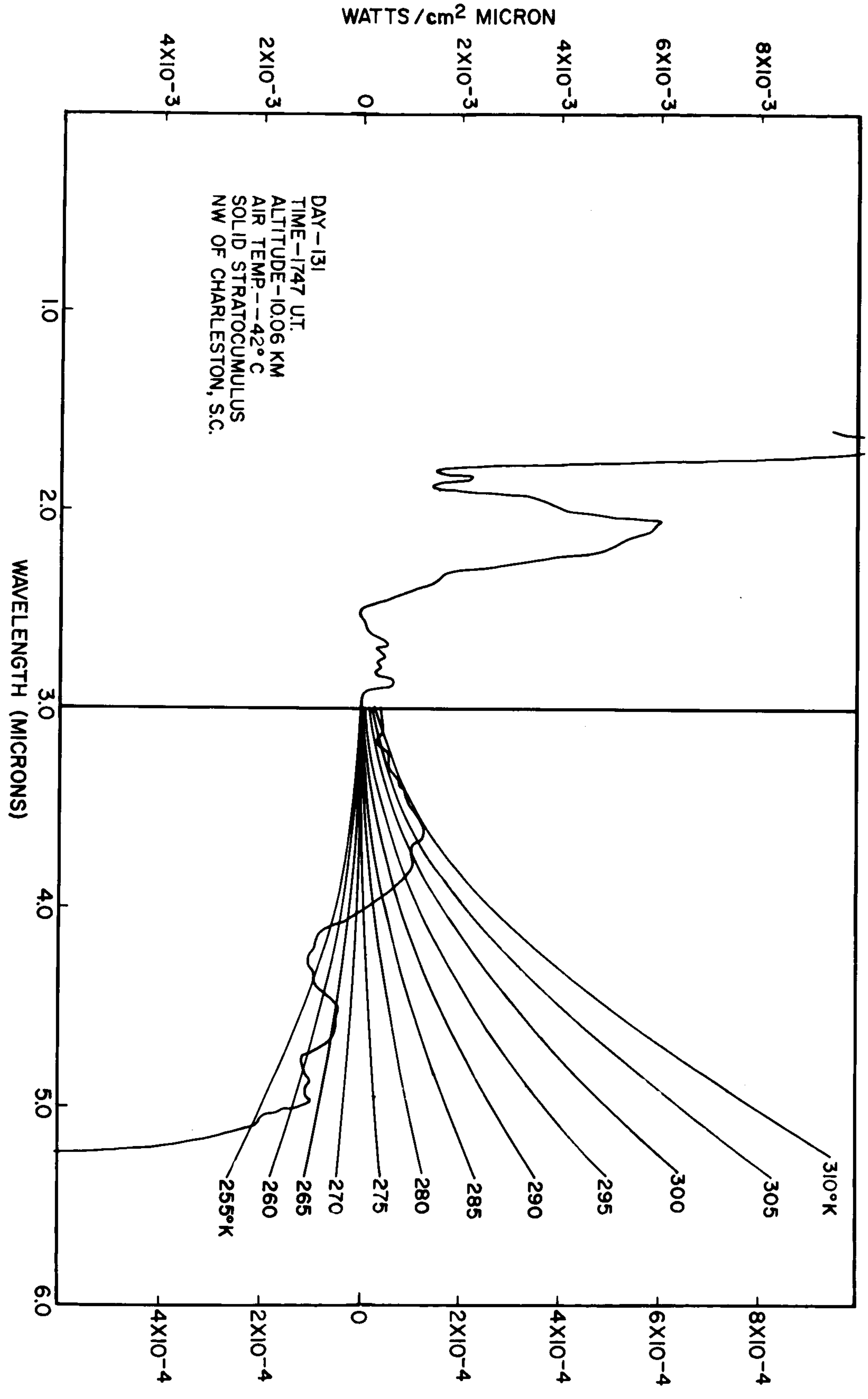
WATTS / cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-1744 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--42° C
SOLID STRATOCUMULUS NW
OF CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4

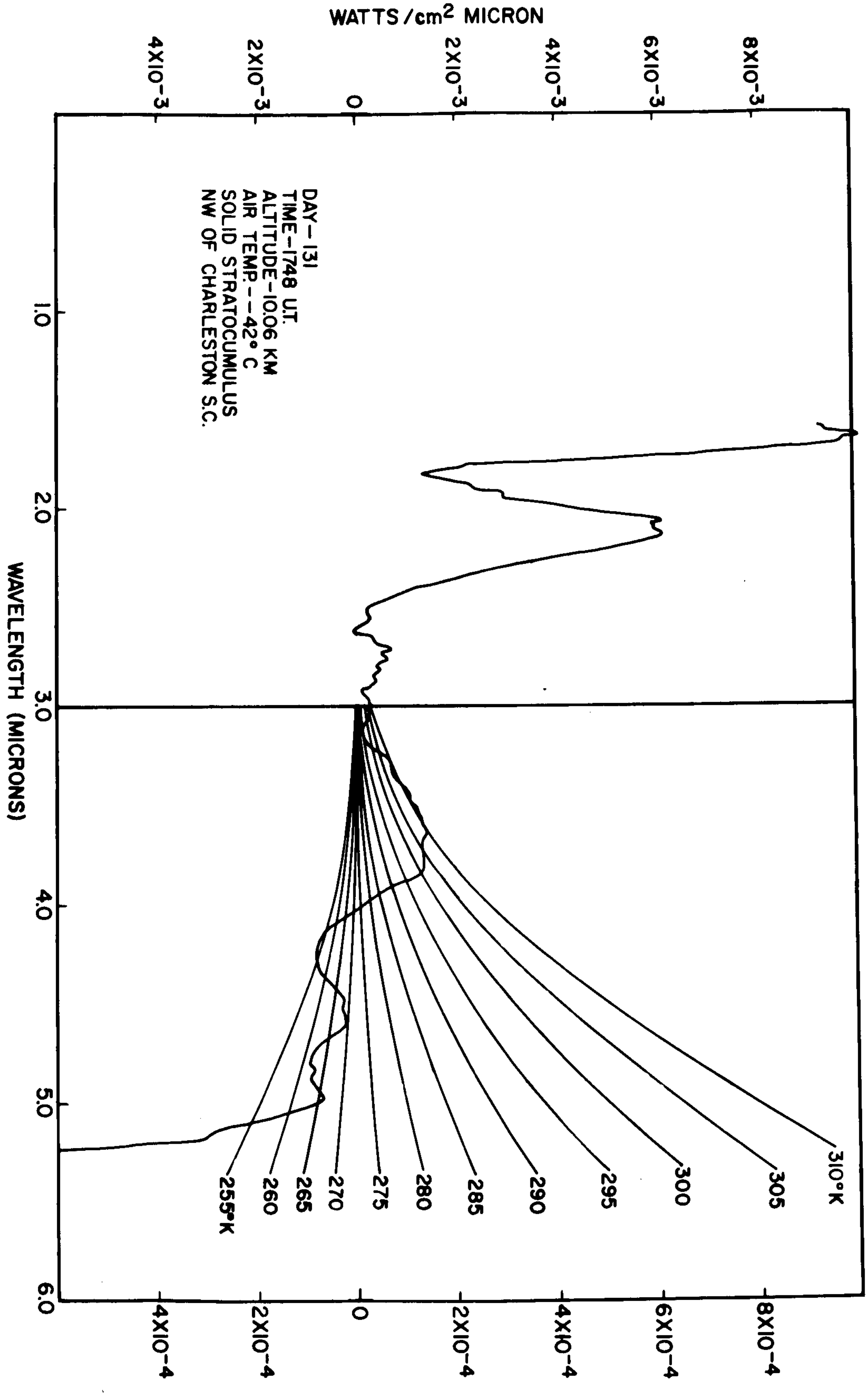


WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1745 U.T.
ALTITUDE-10.06 KM
AIR TEMP- -42° C
SHADOW OF CIRRUS ON
STRATOCUMULUS NW
OF CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

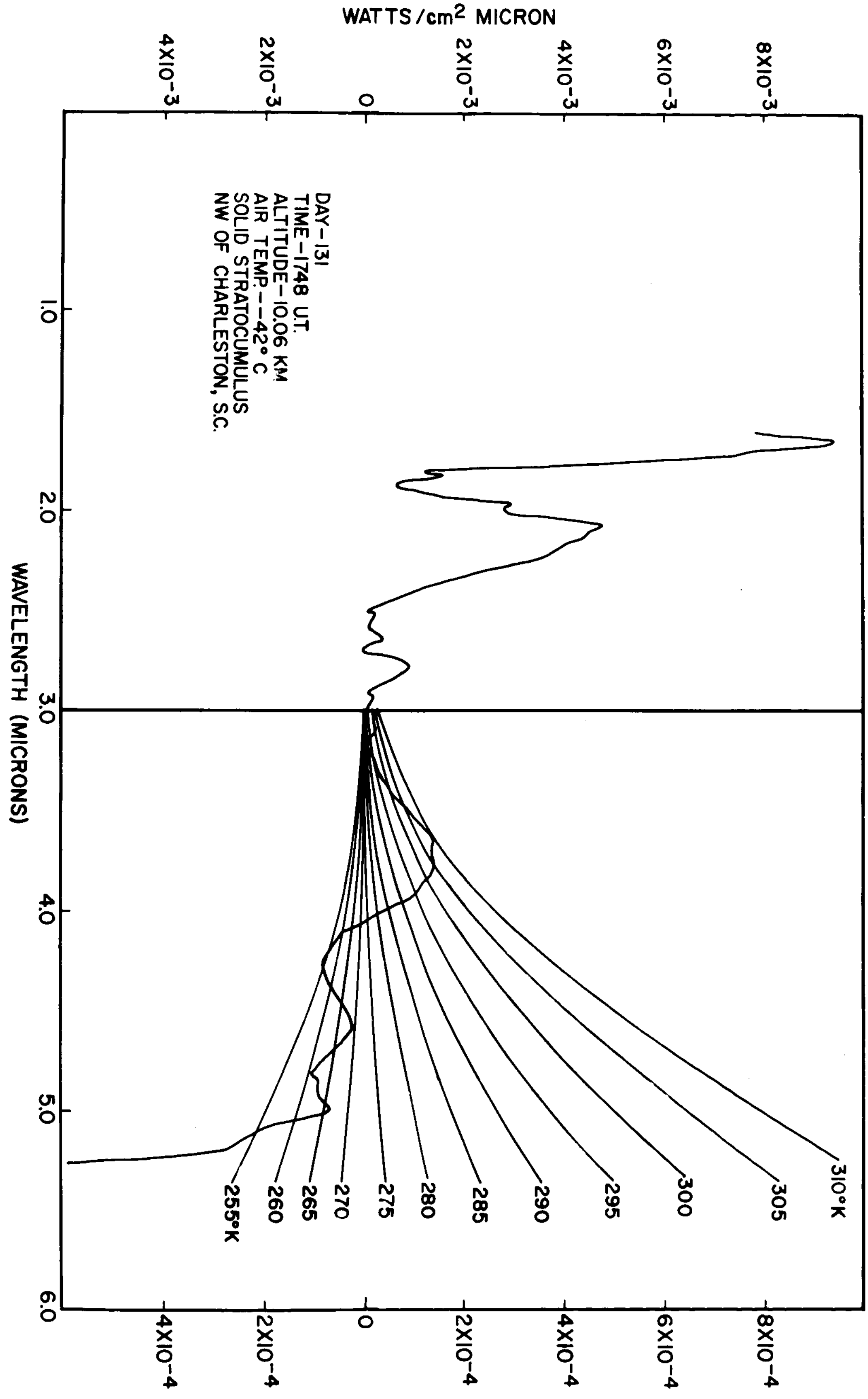


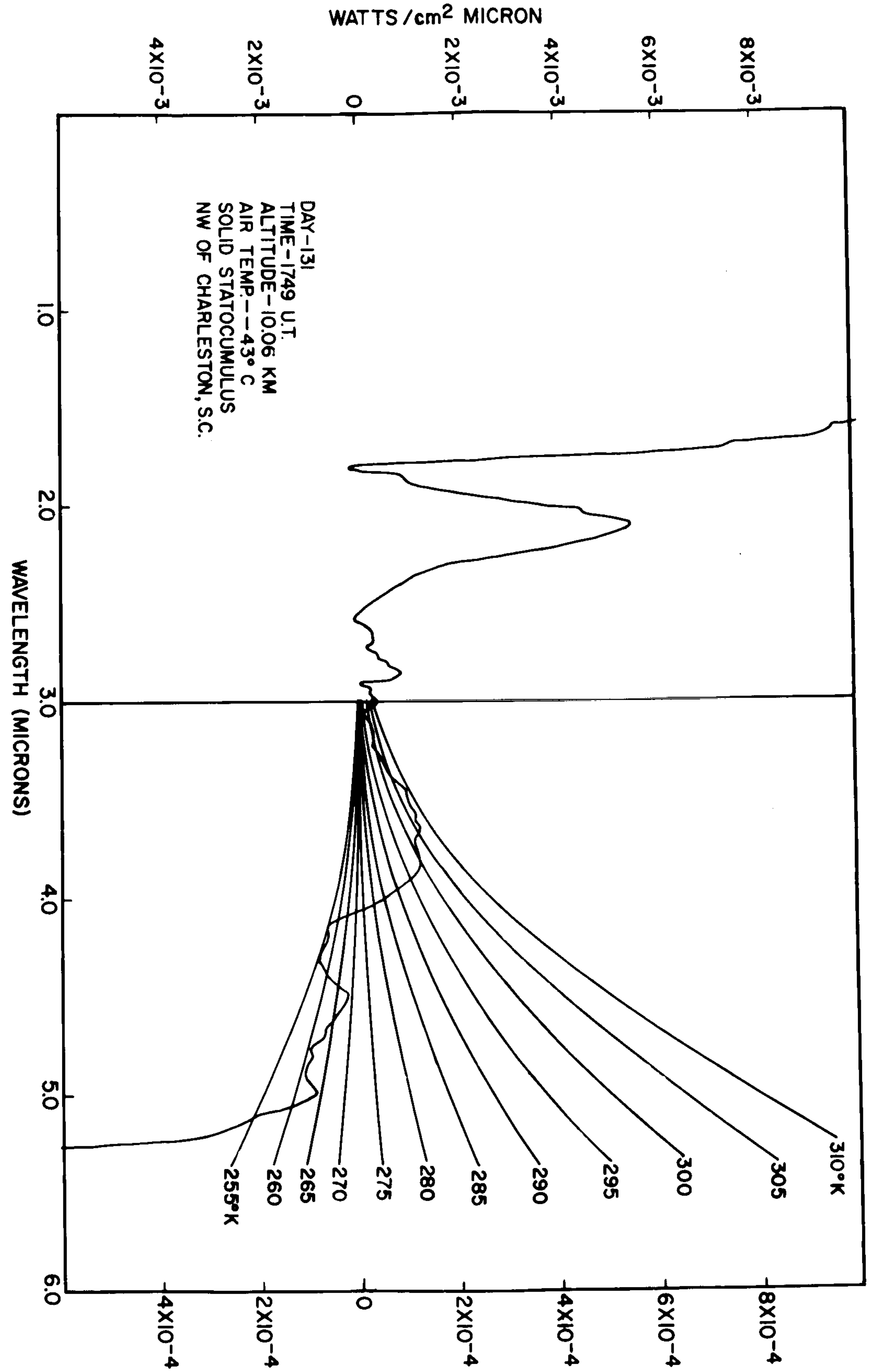
WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1746 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--42° C
STRATOCUMULUS NW
OF CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
DAY-131
TIME-1747 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--42° C
SOLID STRATOCUMULUS
NW OF CHARLESTON, S.C.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

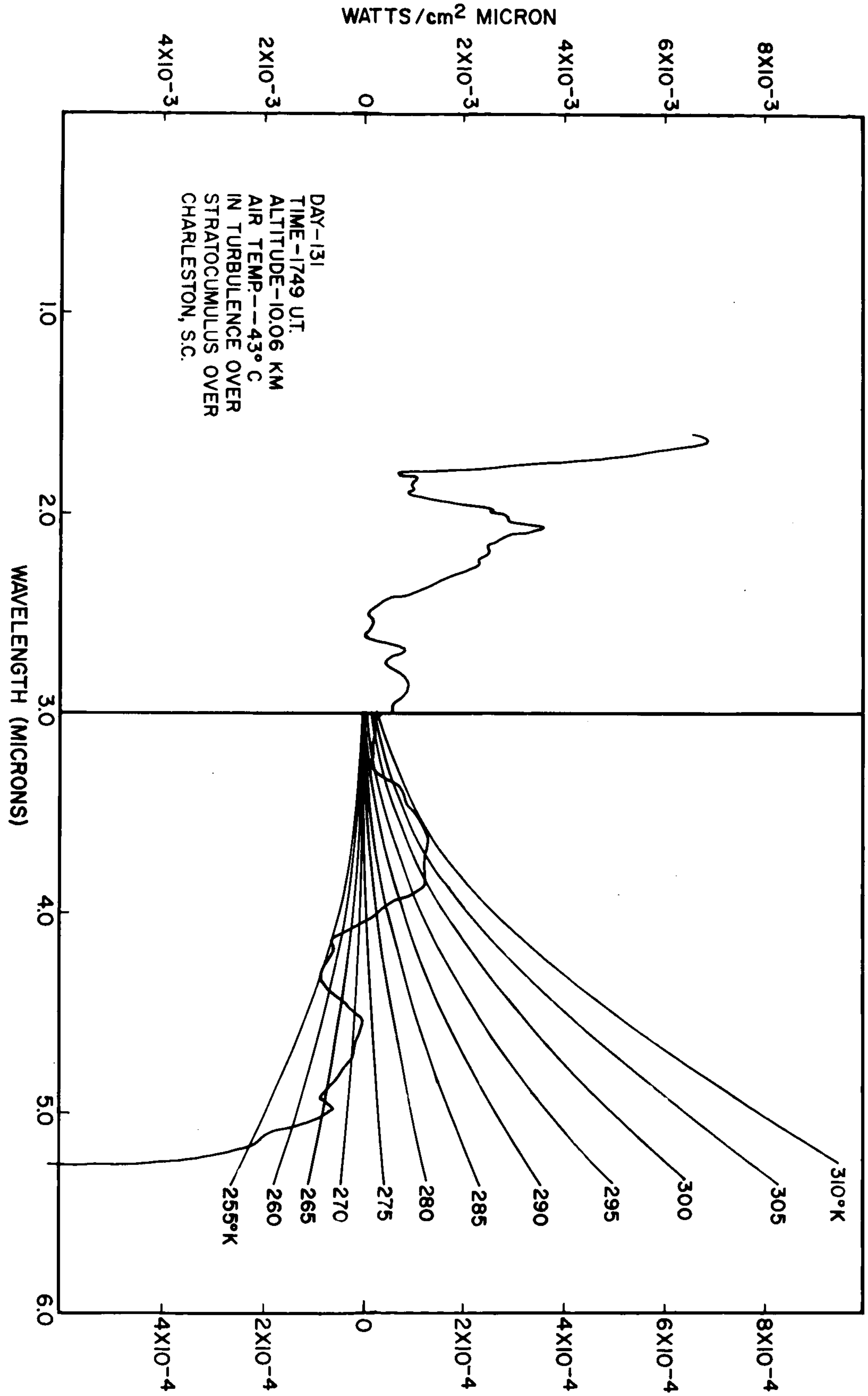


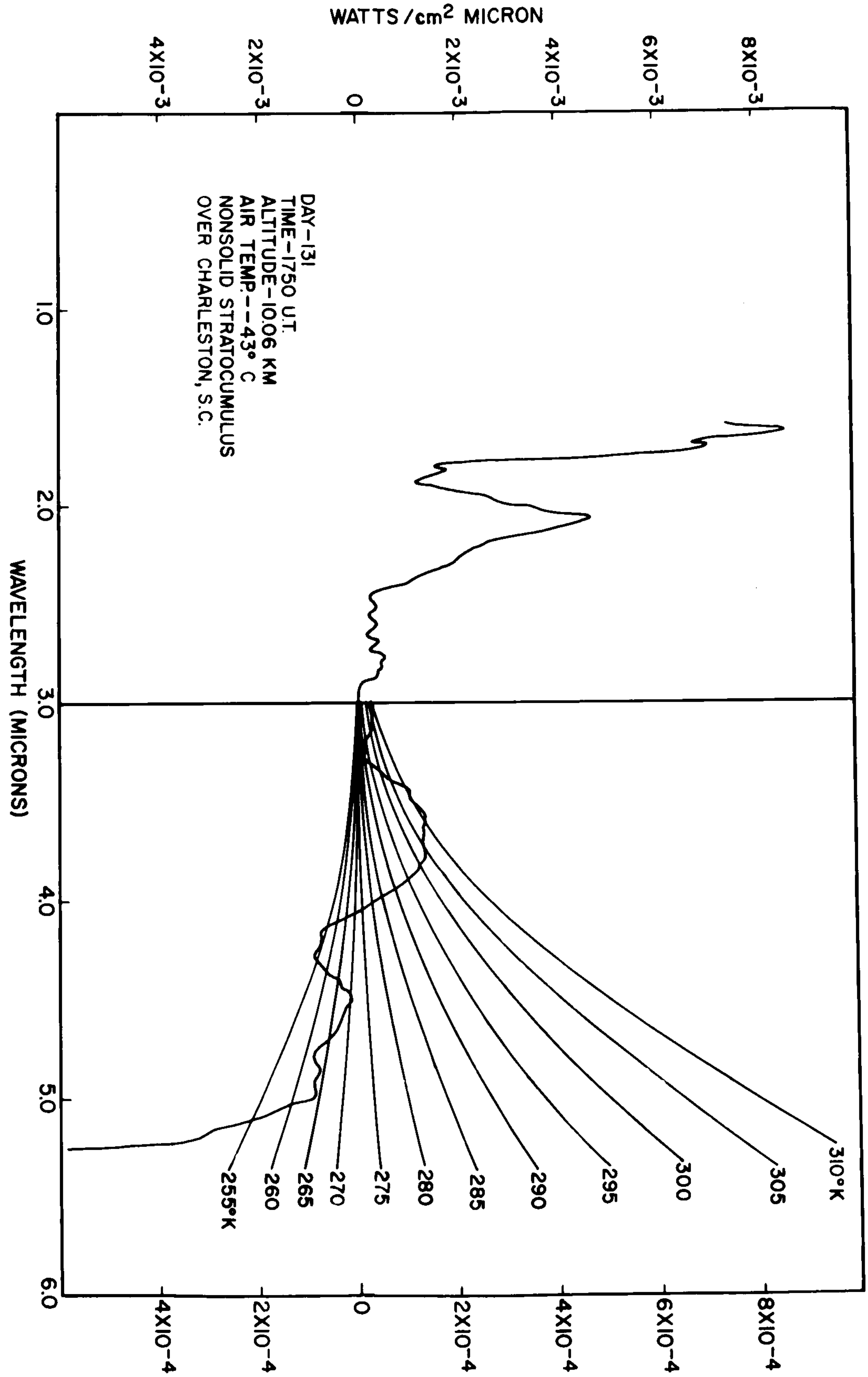
WATTS/cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-1748 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--42° C
SOLID STRATOCUMULUS
NW OF CHARLESTON S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4

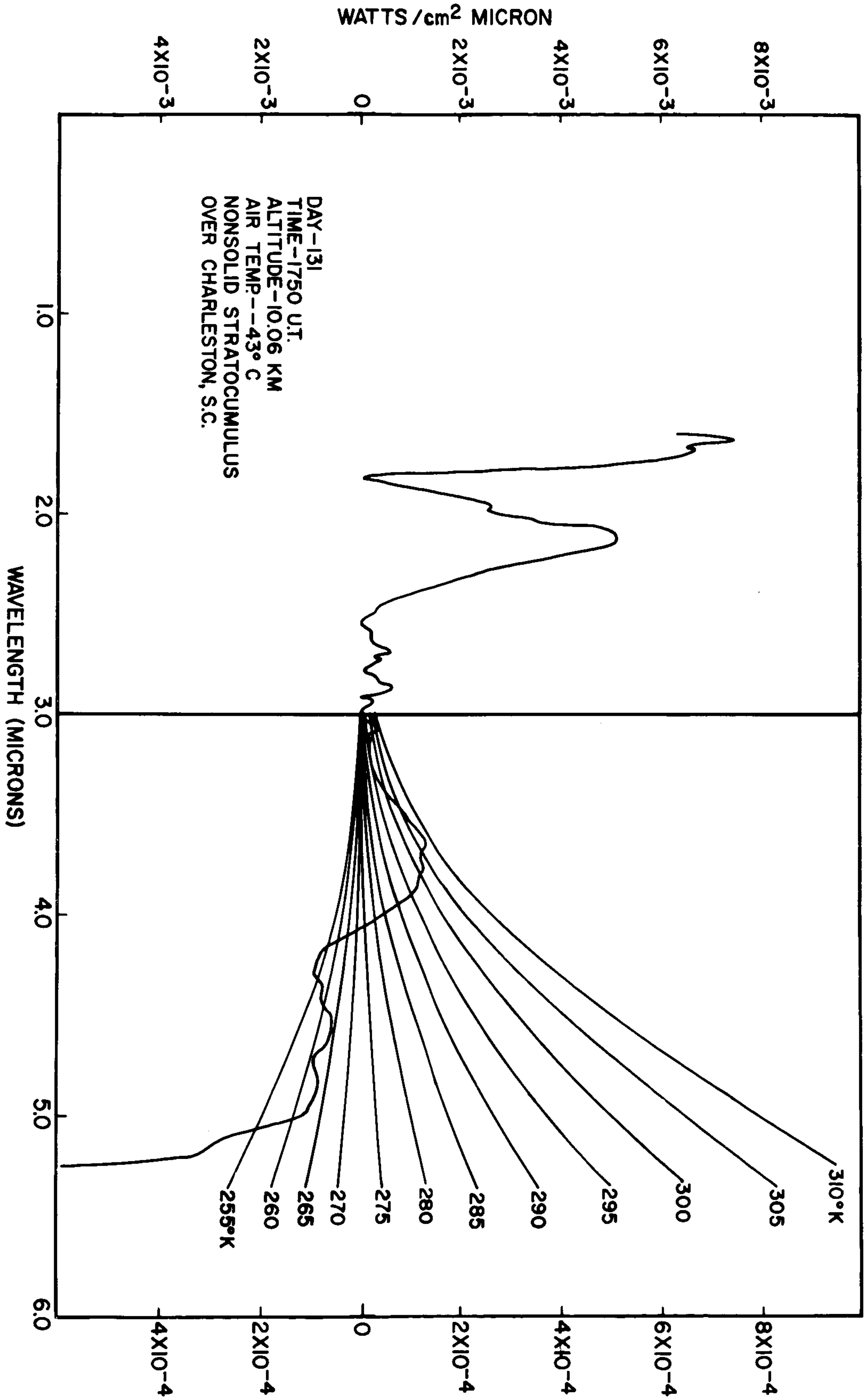

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1748 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--42° C
SOLID STRATOCUMULUS
NW OF CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

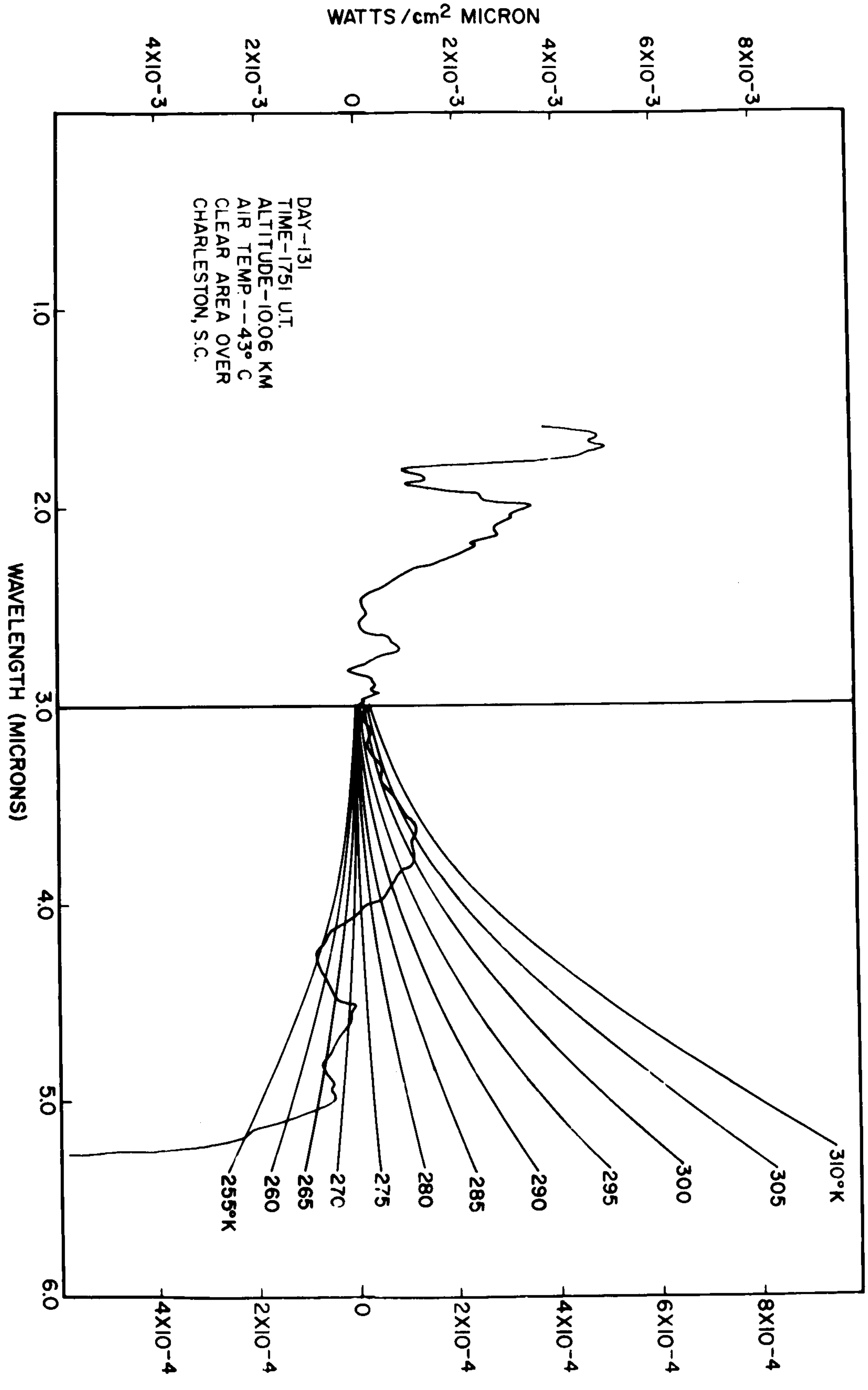


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1749 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
SOLID STATOCUMULUS
NW OF CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

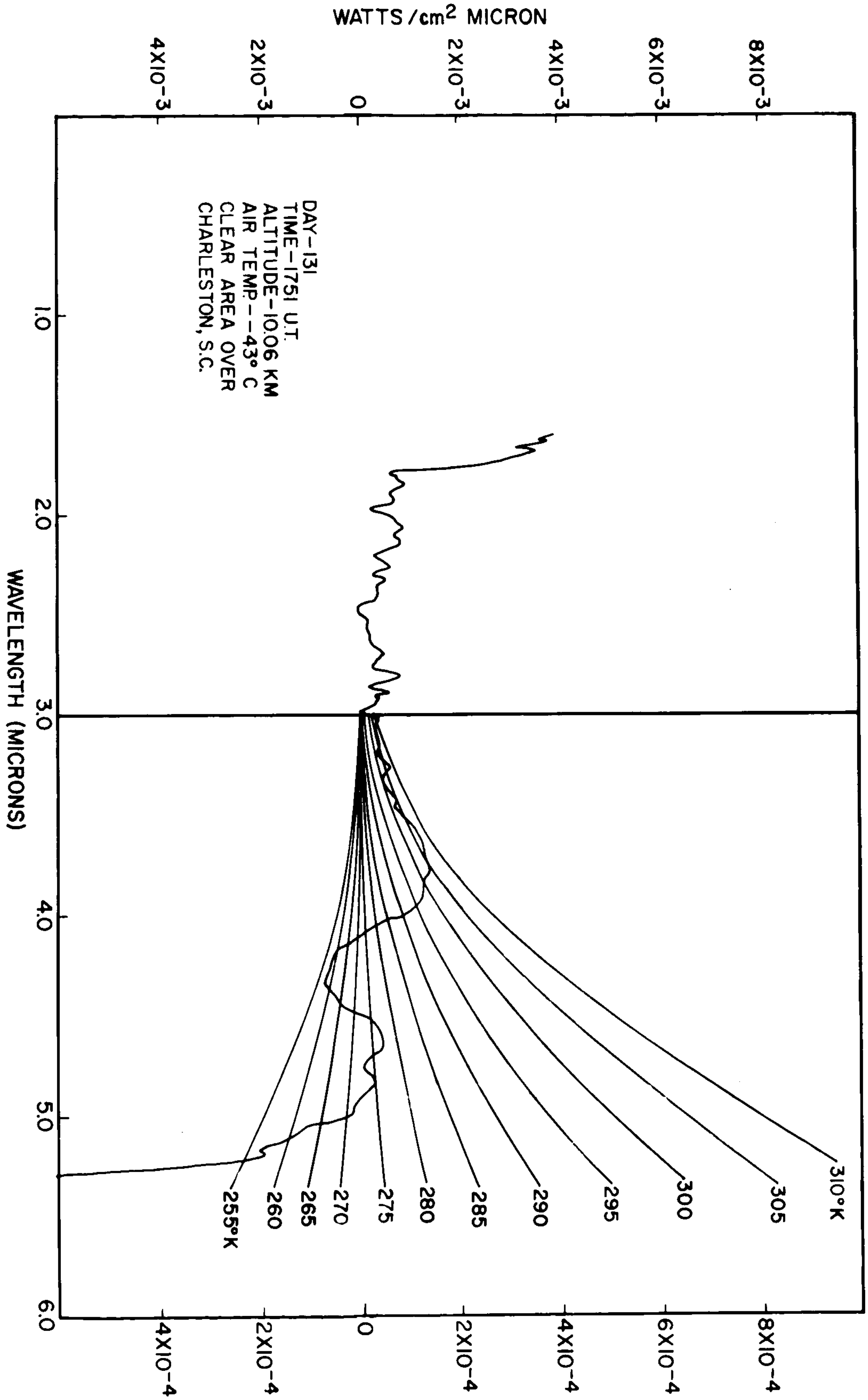

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1749 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
IN TURBULENCE OVER
STRATOCUMULUS OVER
CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1750 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
NONSOLID STRATOCUMULUS
OVER CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

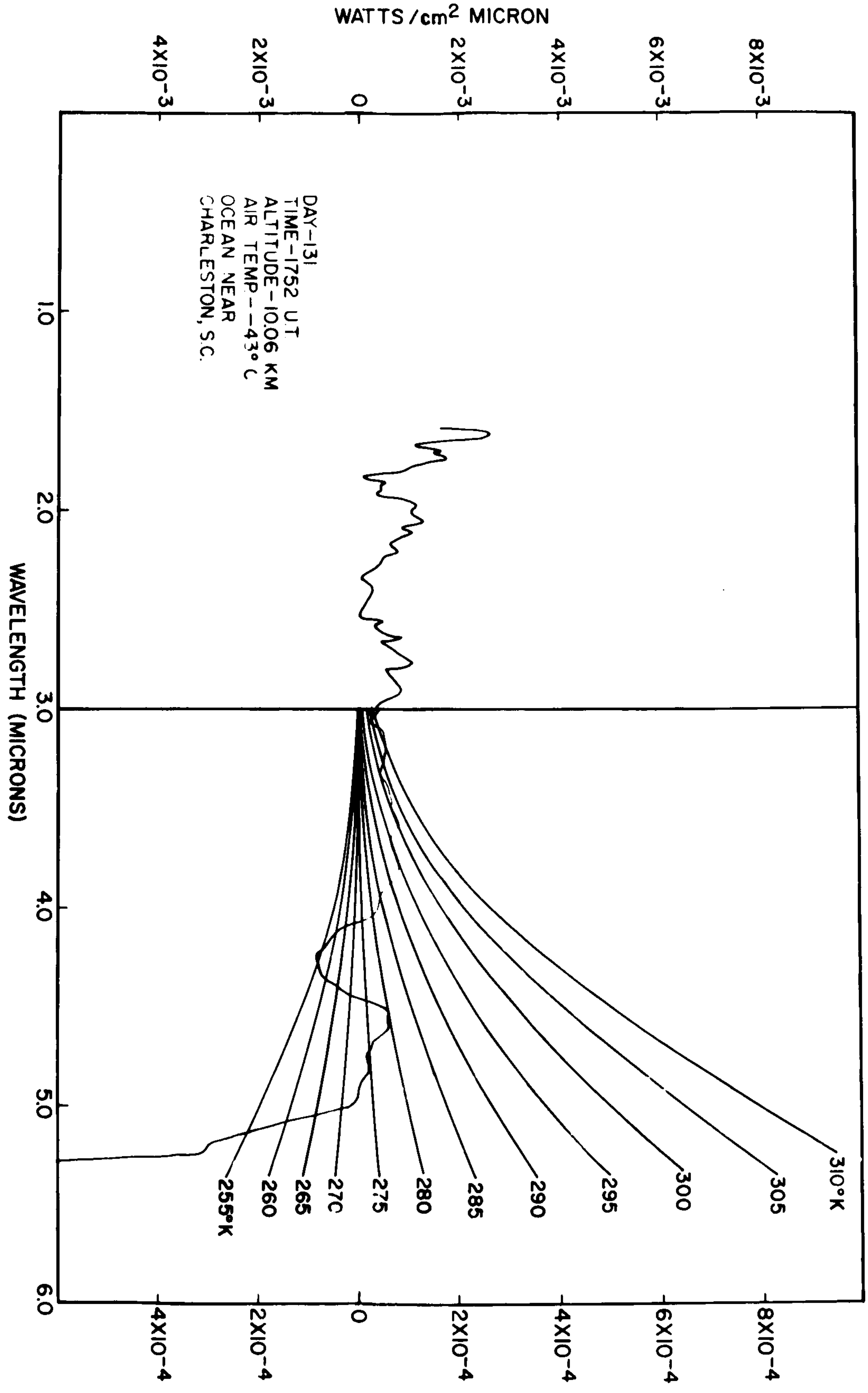

WATTS / cm^2 MICRON
8X10−3
6X10−3
4X10−3
2X10−3
0
2X10−3
4X10−3
DAY−131
TIME−1750 U.T.
ALTITUDE−10.06 KM
AIR TEMP.− −43° C
NONSOLID STRATOCUMULUS
OVER CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10−4
6X10−4
4X10−4
2X10−4
0
2X10−4
4X10−4



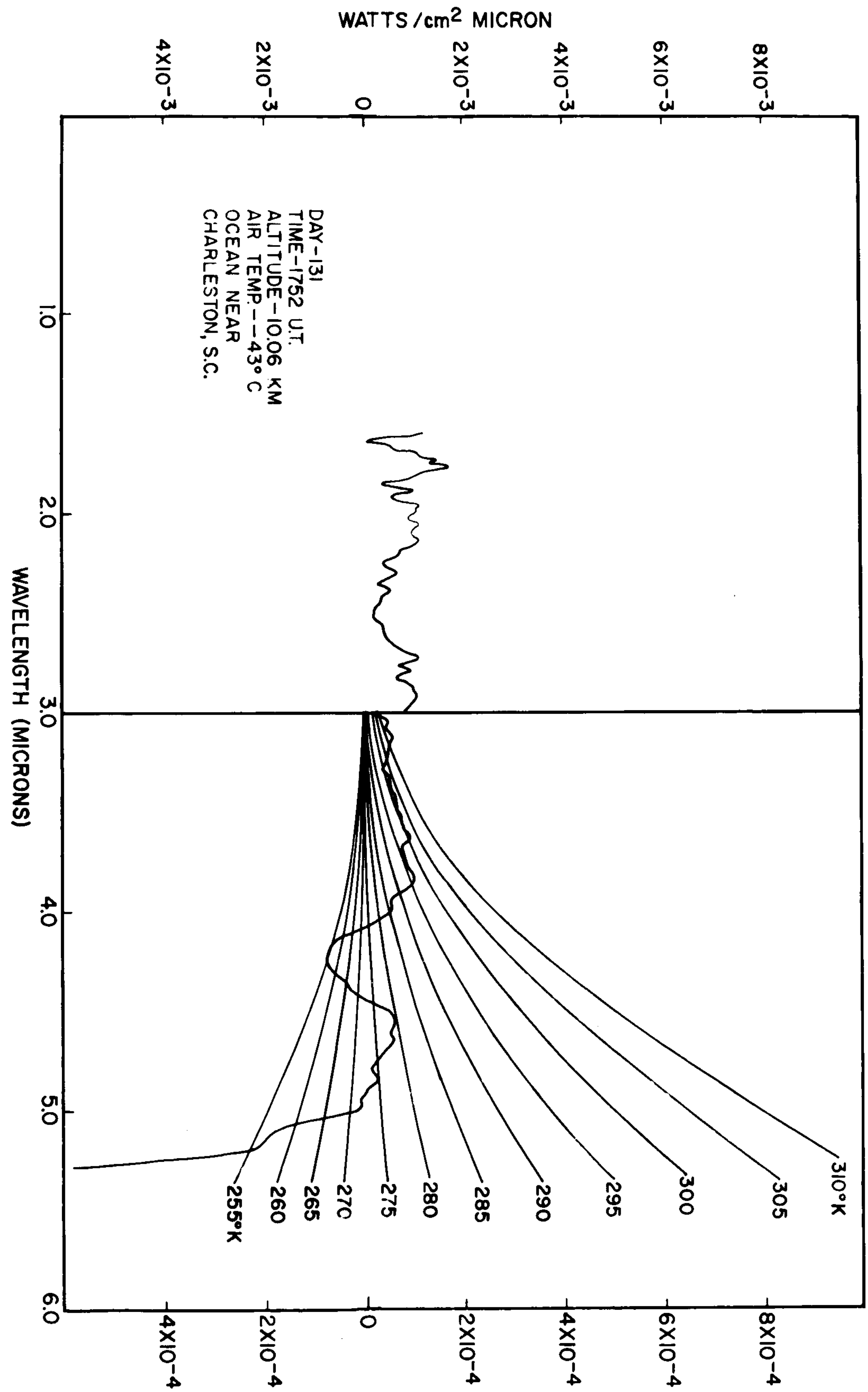
WATTS / cm2 MICRON
DAY-131
TIME-1751 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
CLEAR AREA OVER
CHARLESTON, S.C.
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K

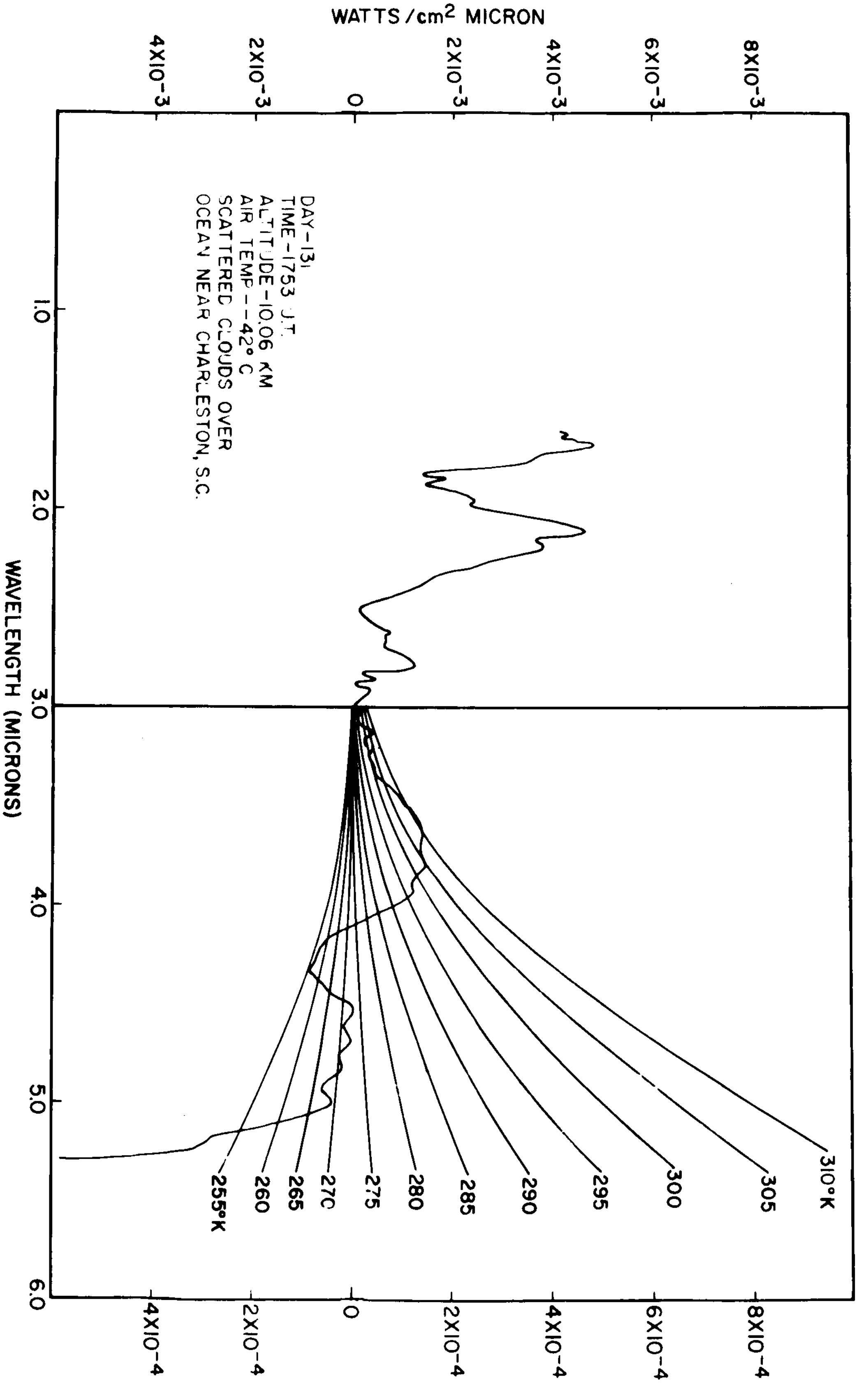


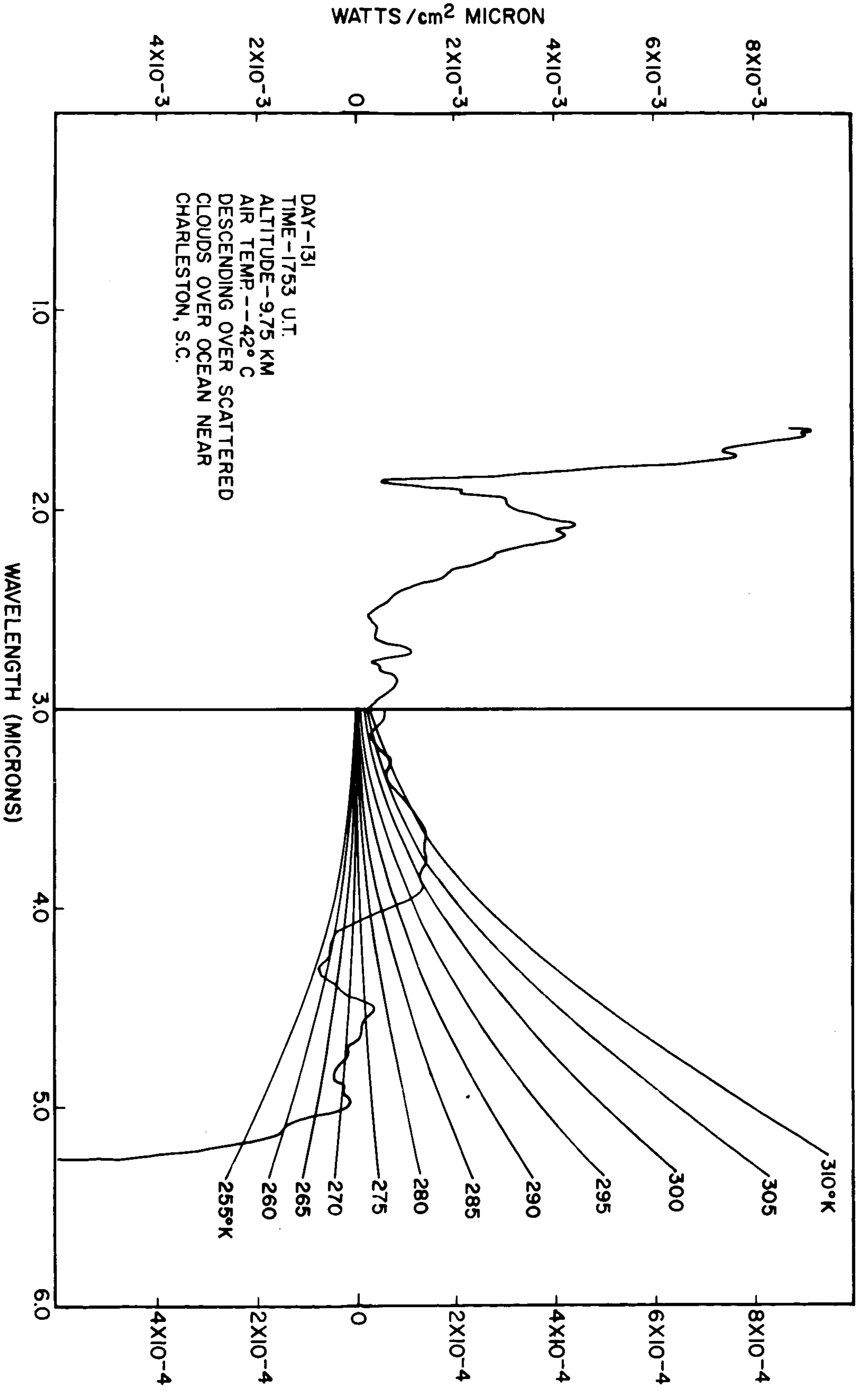
WATTS/cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-1751 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
CLEAR AREA OVER
CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4



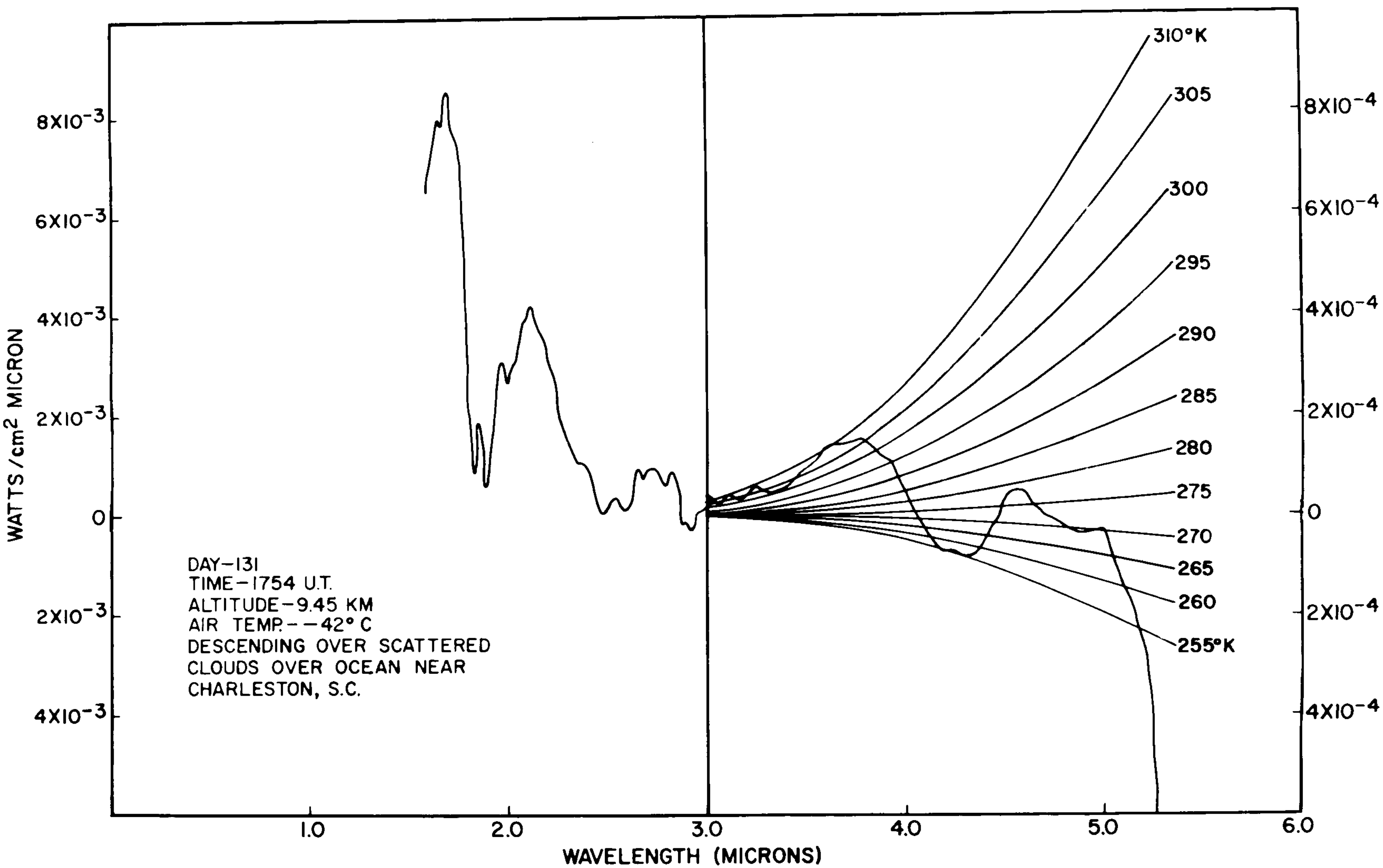
WATTS/cm² MICRON
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
6X10⁻³
8X10⁻³
DAY-131
TIME-1752 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
OCEAN NEAR
CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
6X10⁻⁴
8X10⁻⁴


WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1752 U.T.
ALTITUDE-10.06 KM
AIR TEMP.--43° C
OCEAN NEAR
CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

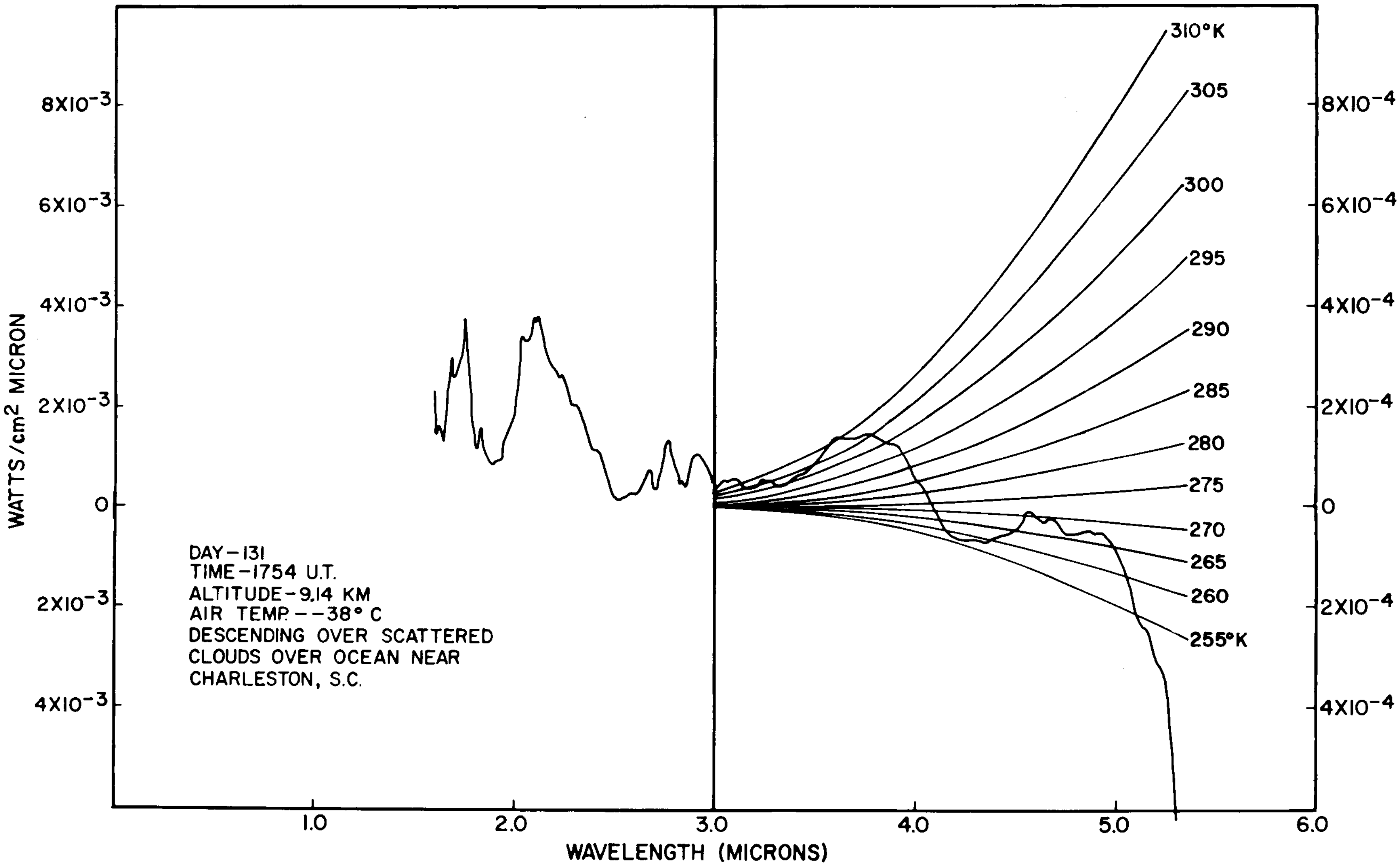

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1753 U.T.
ALTITUDE-10.06 KM
AIR TEMP - -42° C
SCATTERED CLOUDS OVER
OCEAN NEAR CHARLESTON, S.C.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

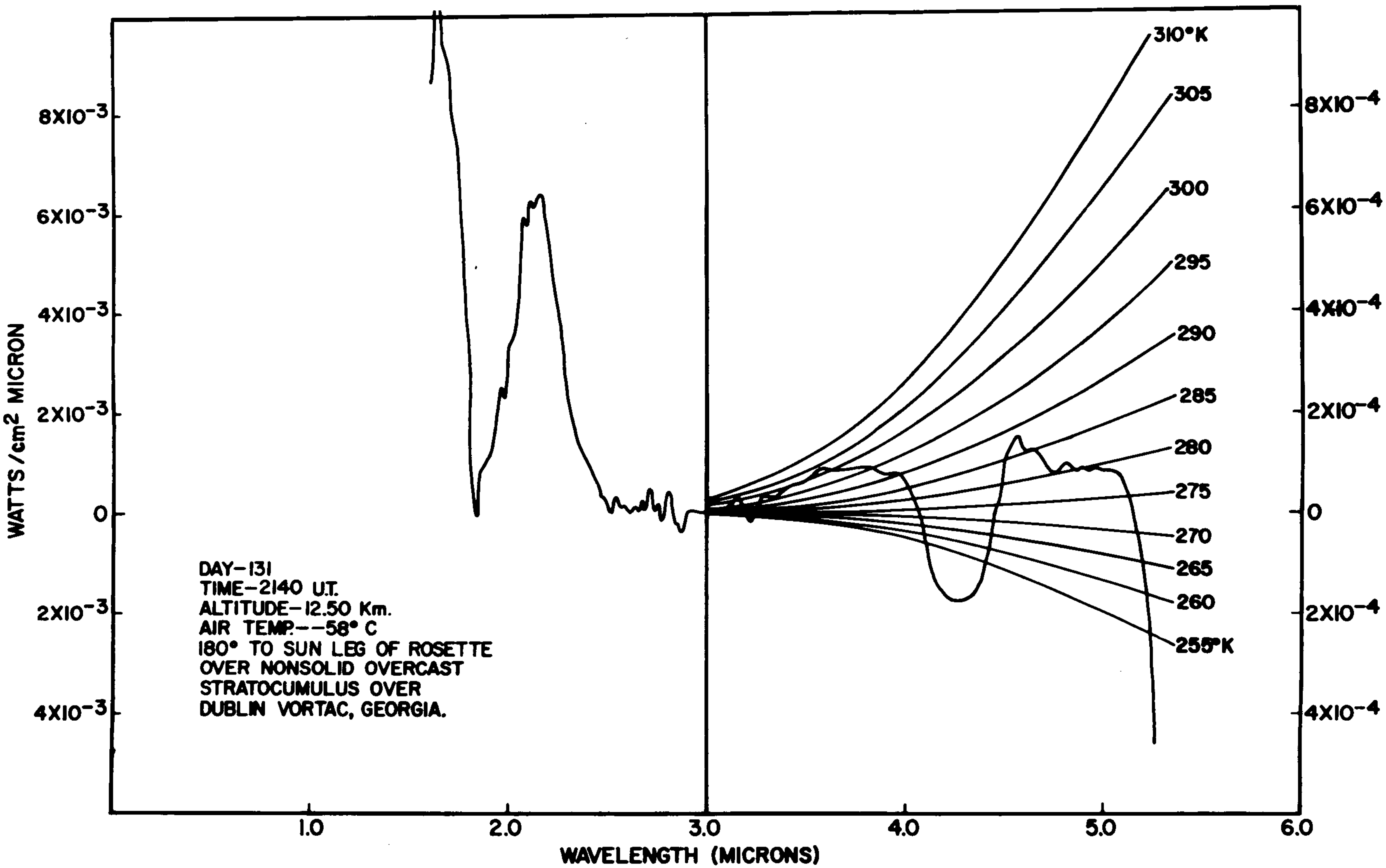


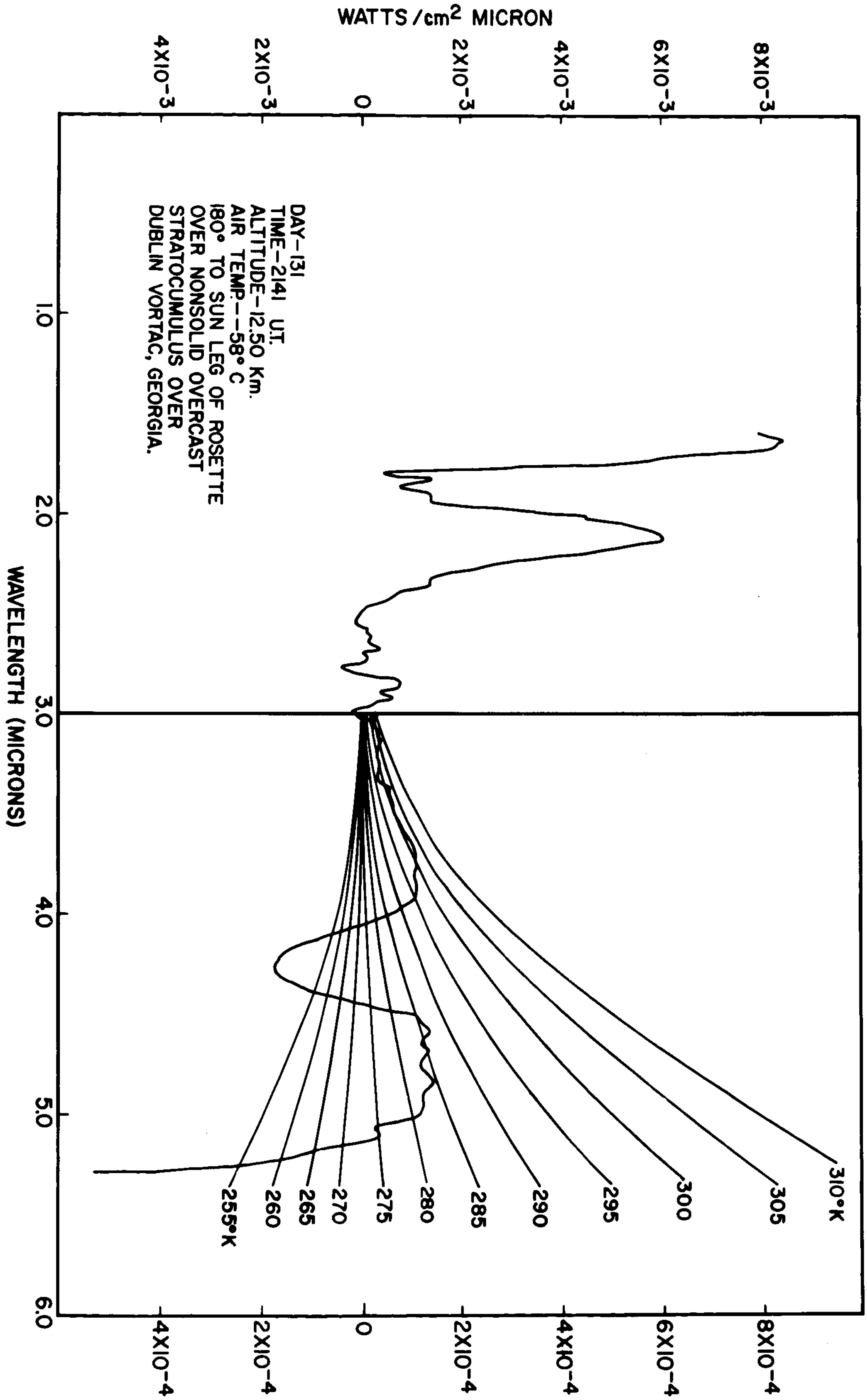
WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-1753 U.T.
ALTITUDE-9.75 KM
AIR TEMP.--42° C
DESCENDING OVER SCATTERED
CLOUDS OVER OCEAN NEAR
CHARLESTON, S.C.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4



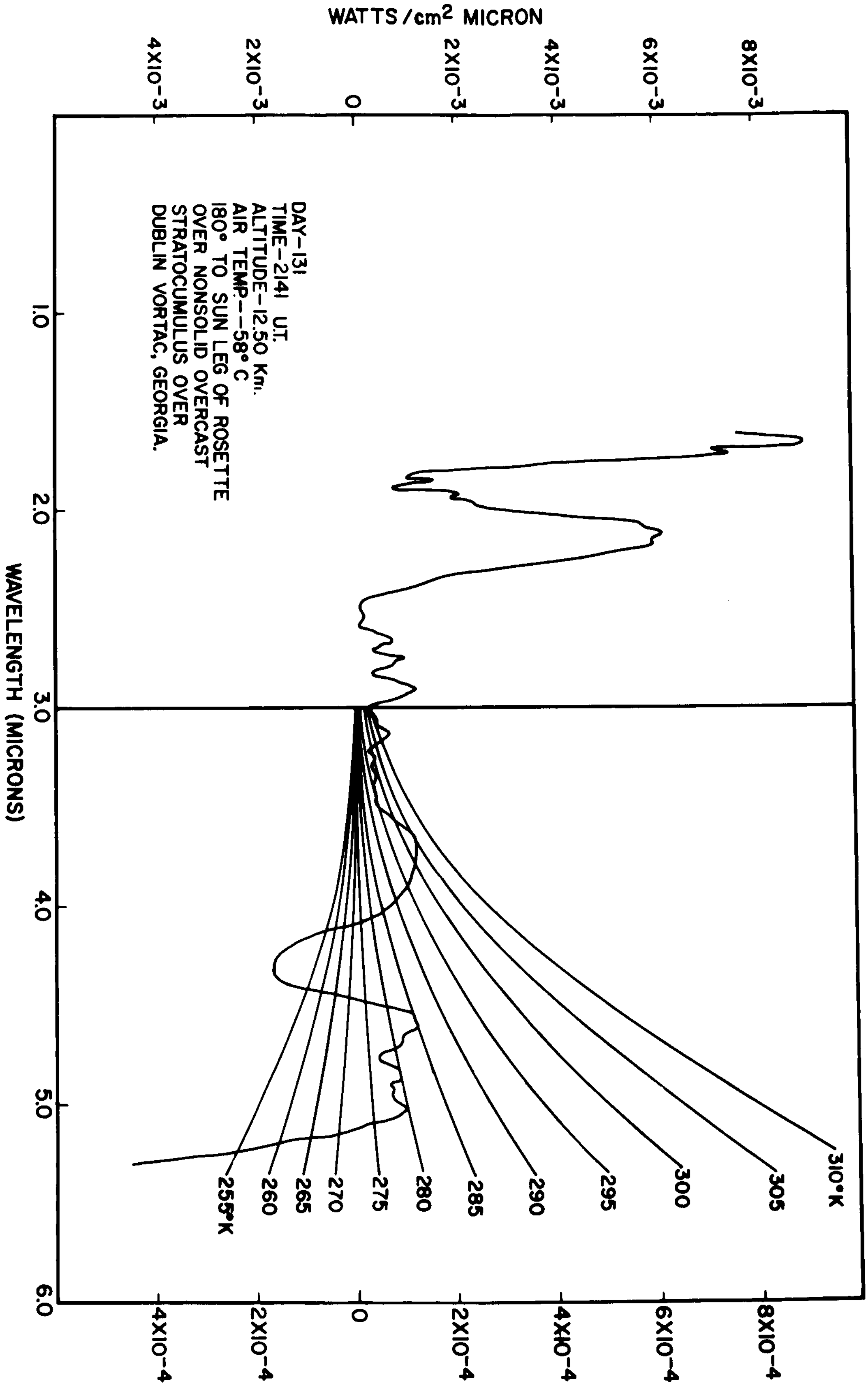
WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
DAY-131
TIME-1754 U.T.
ALTITUDE-9.45 KM
AIR TEMP.- -42° C
DESCENDING OVER SCATTERED
CLOUDS OVER OCEAN NEAR
CHARLESTON, S.C.
310°K
305
300
295
290
285
280
275
270
265
260
255°K

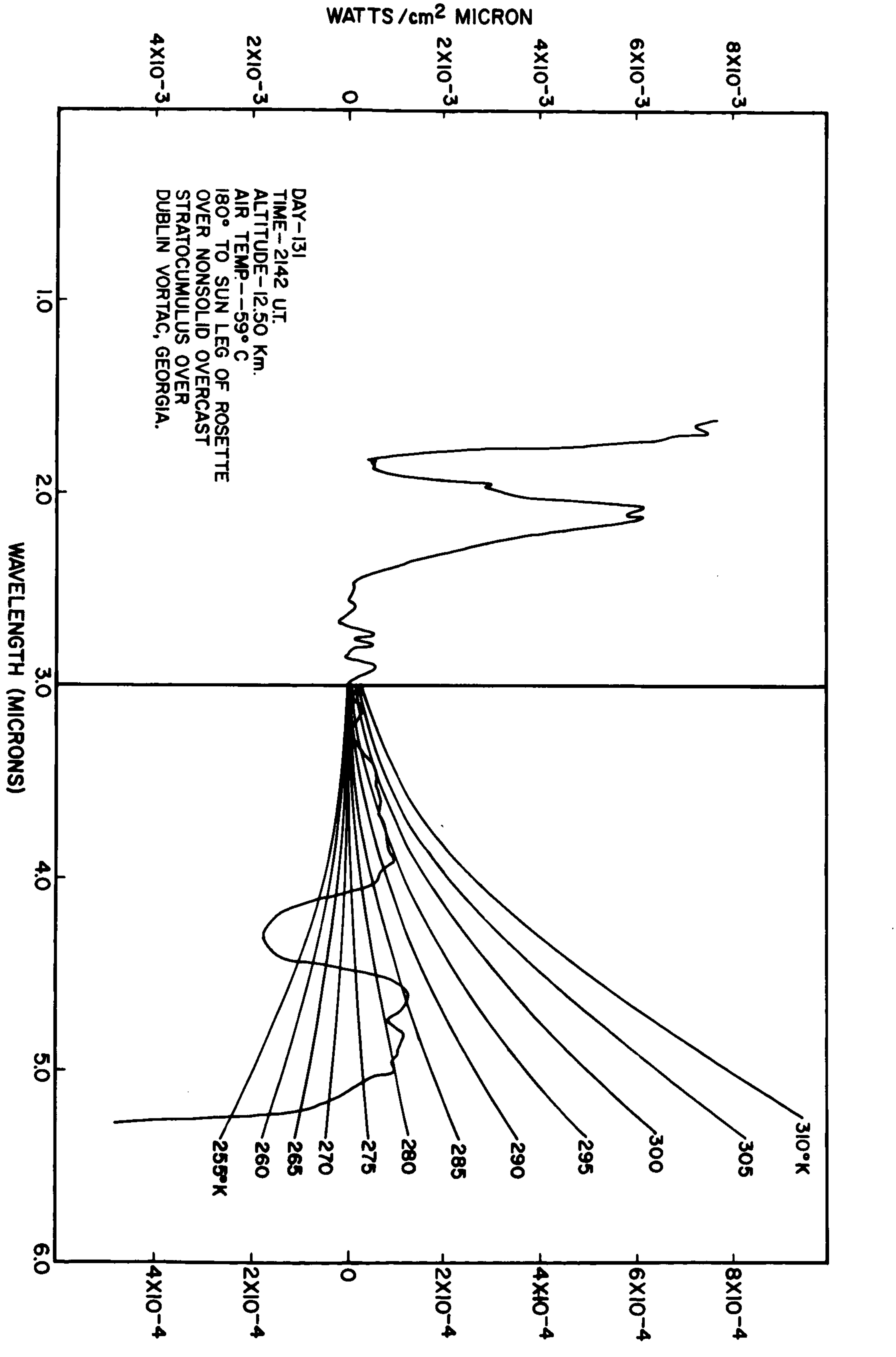

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-1754 U.T.
ALTITUDE-9.14 KM
AIR TEMP.--38° C
DESCENDING OVER SCATTERED
CLOUDS OVER OCEAN NEAR
CHARLESTON, S.C.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

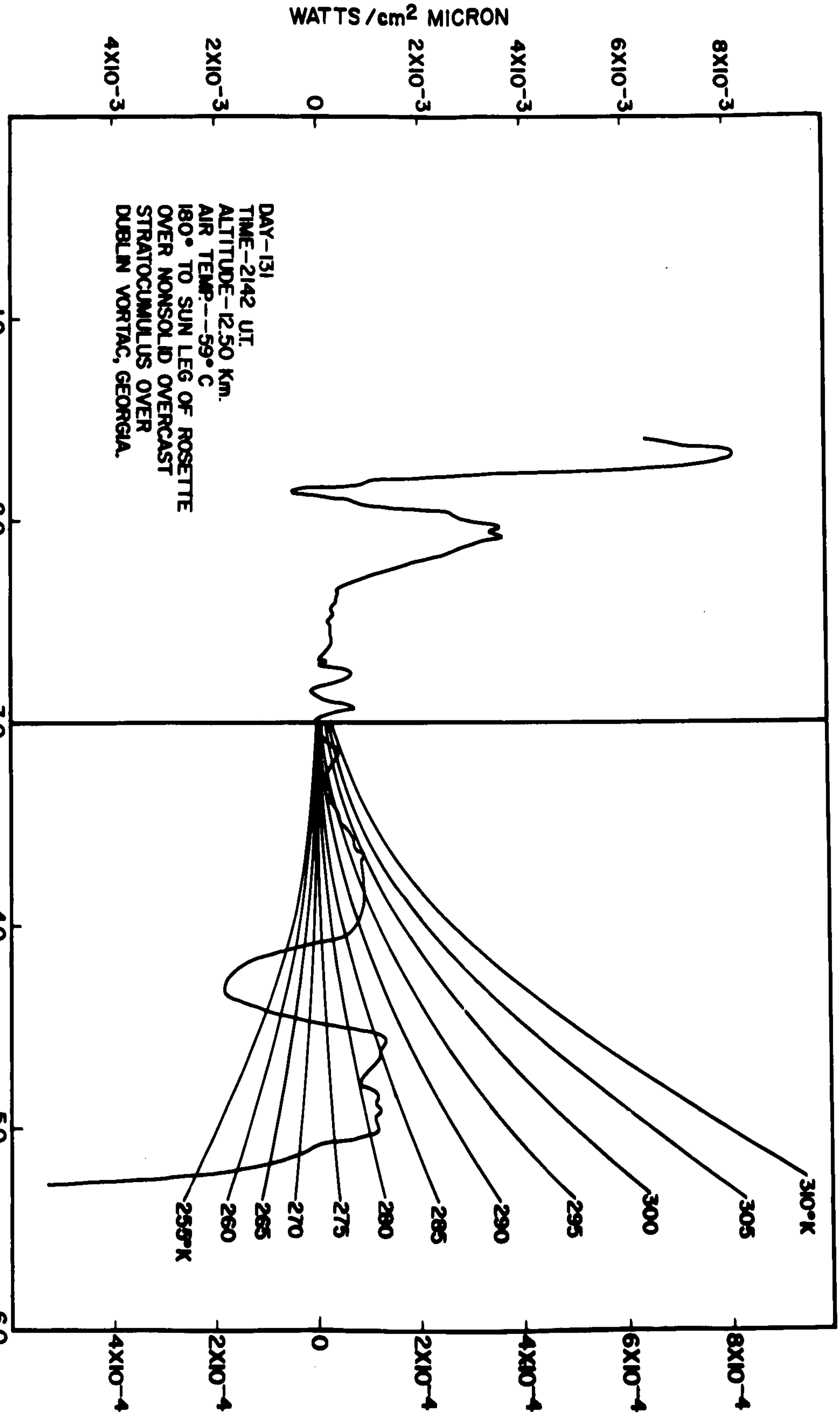

WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-131
TIME-2140 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--58° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.



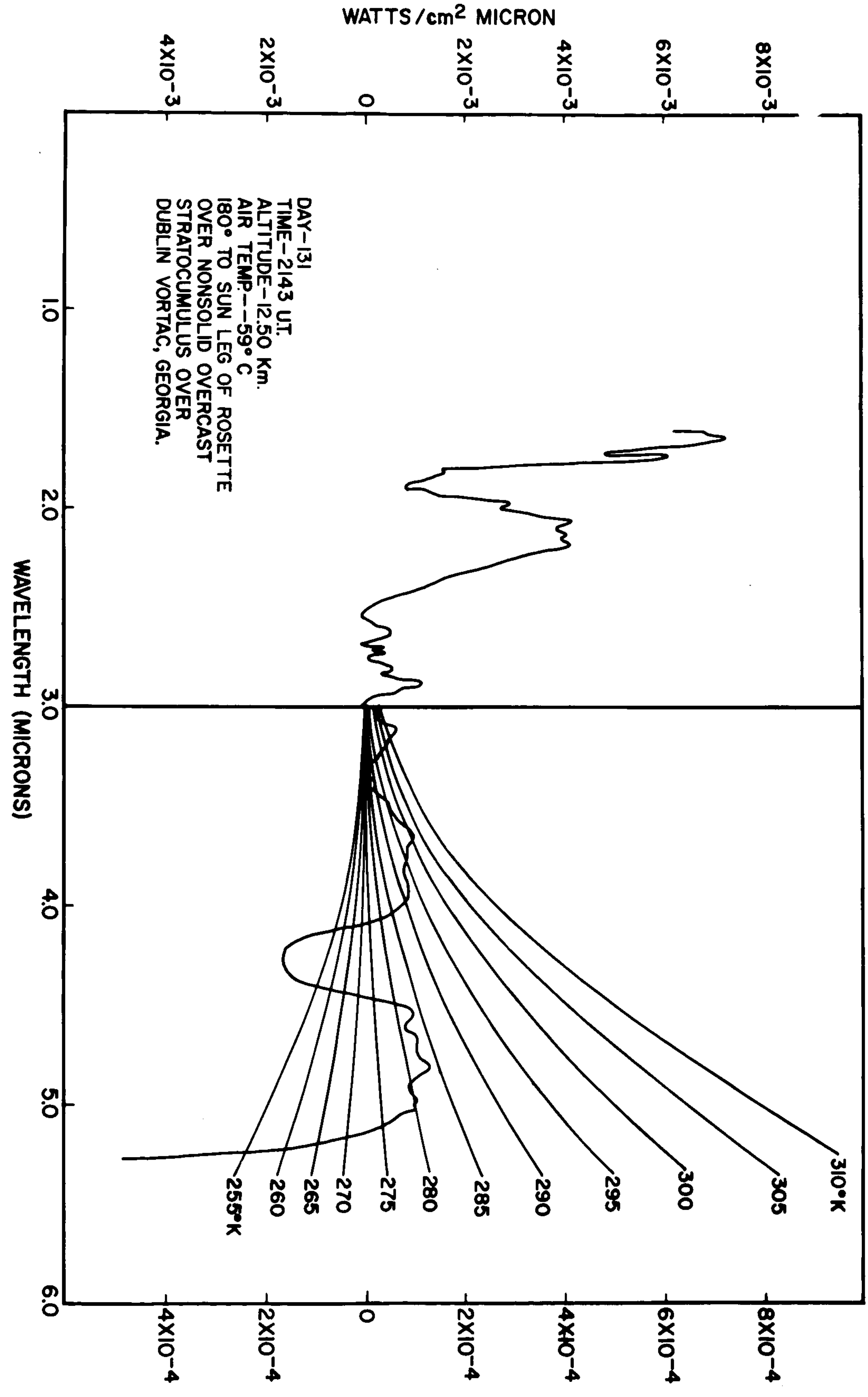
WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2141 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--58° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

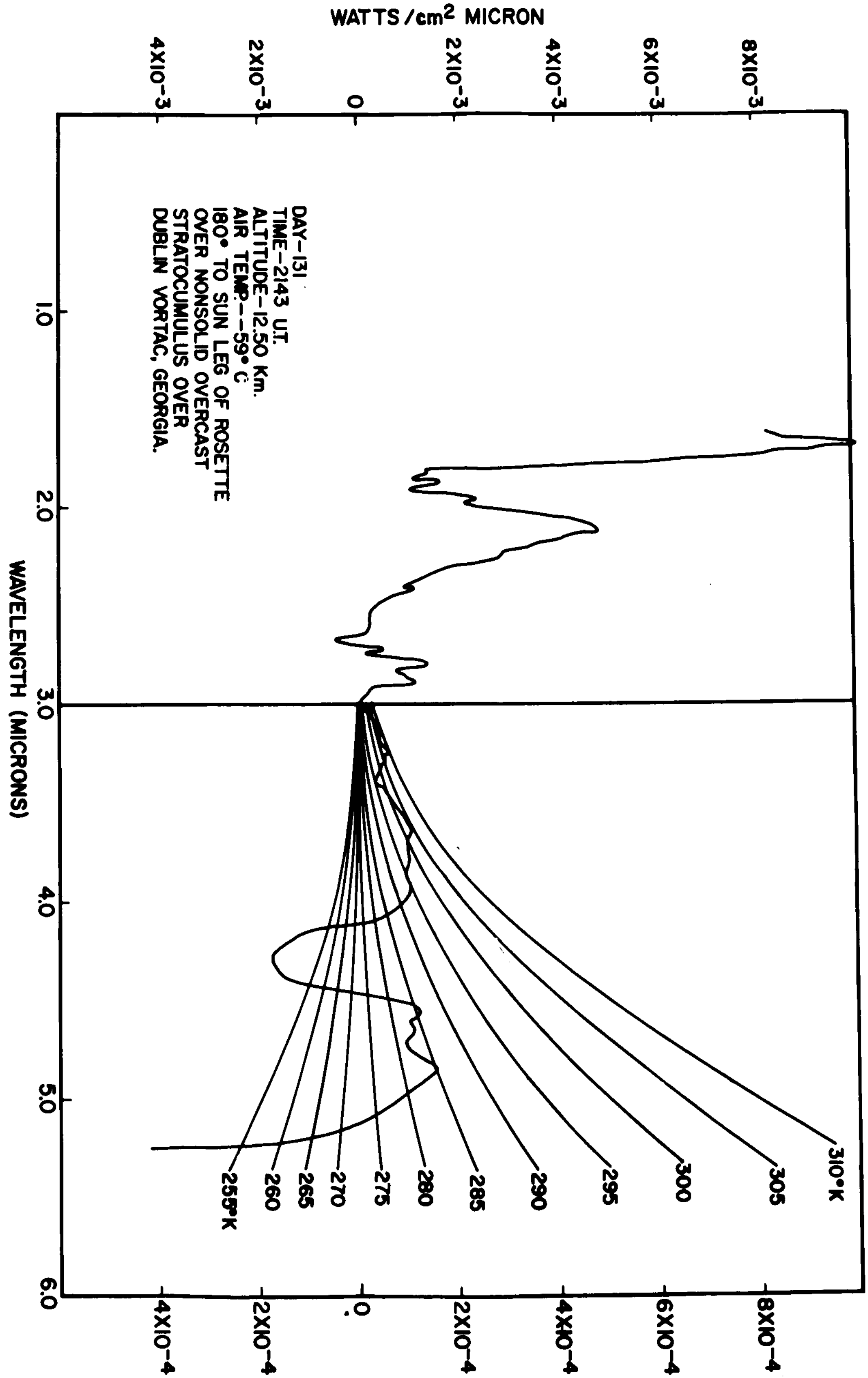

WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2141 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--58° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

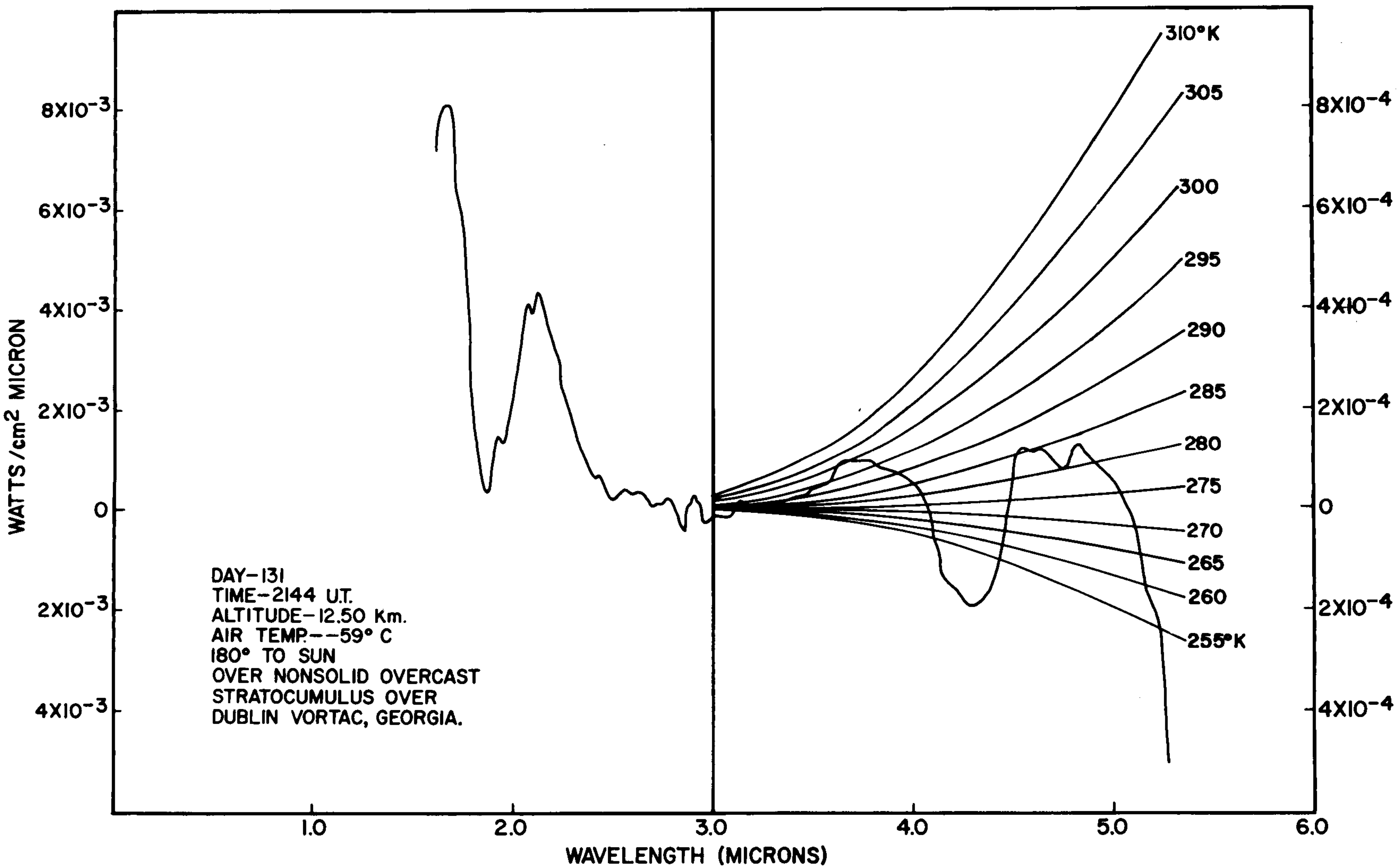

WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2142 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

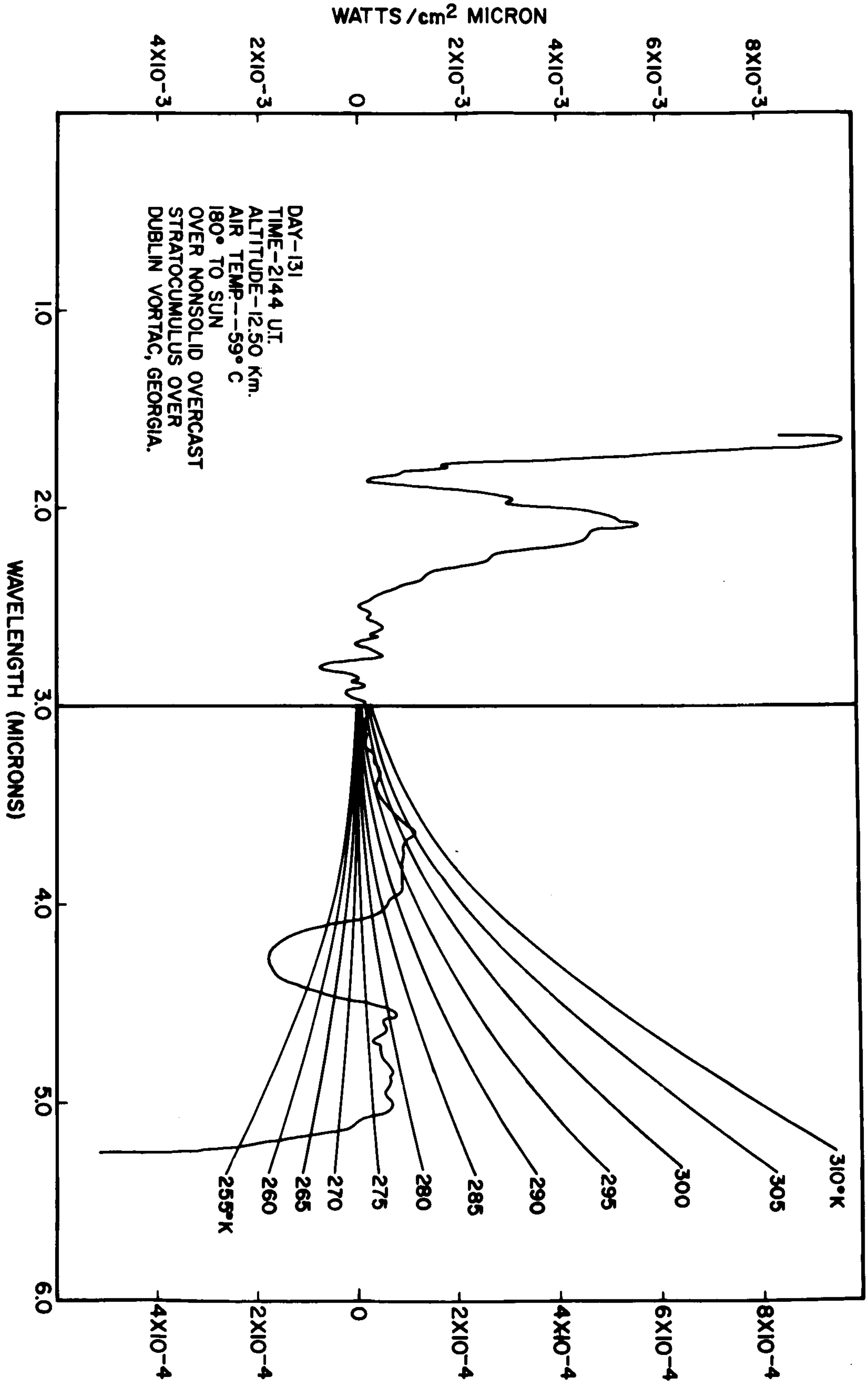


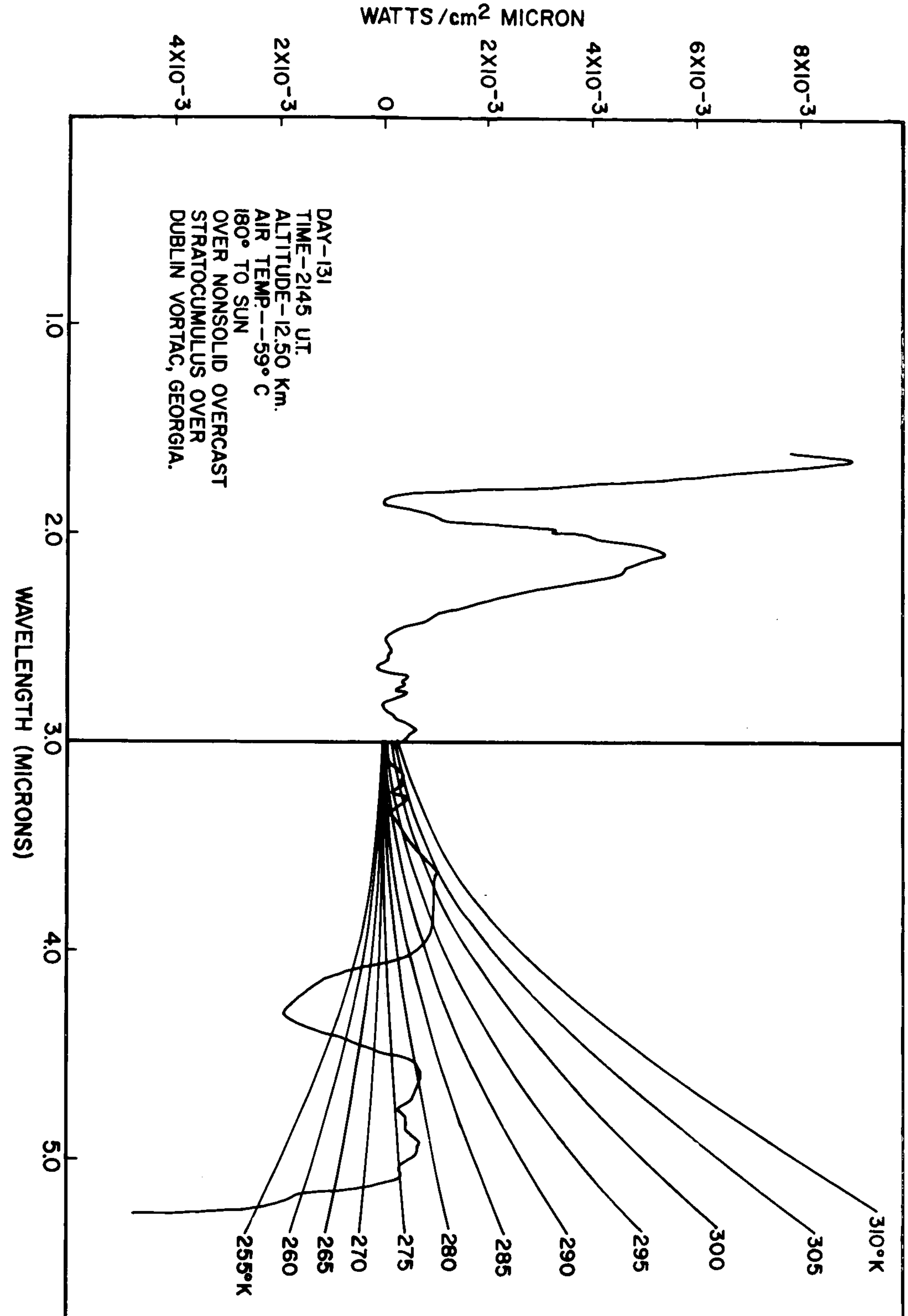
WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2142 UT.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2143 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

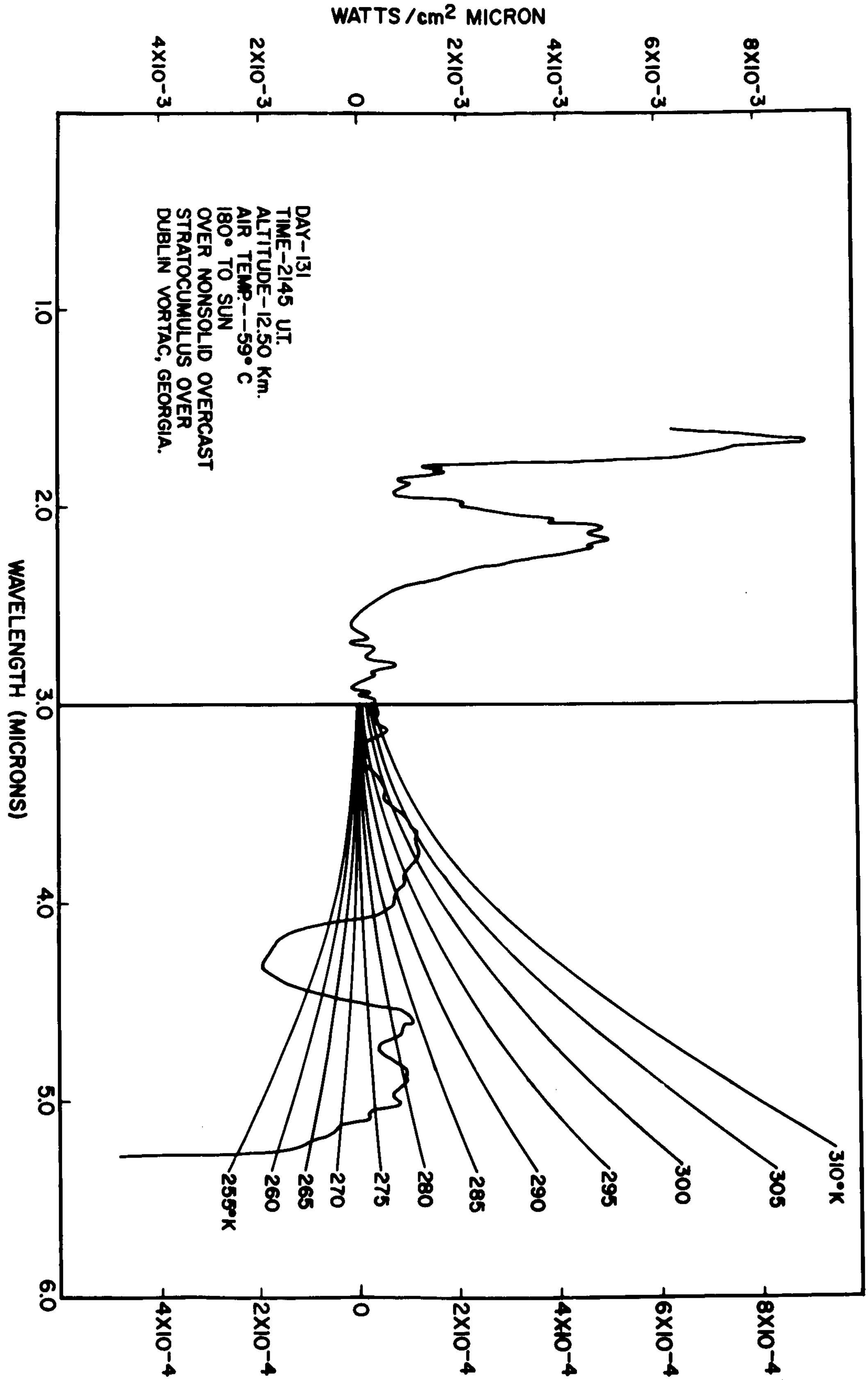

WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2143 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN LEG OF ROSETTE
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

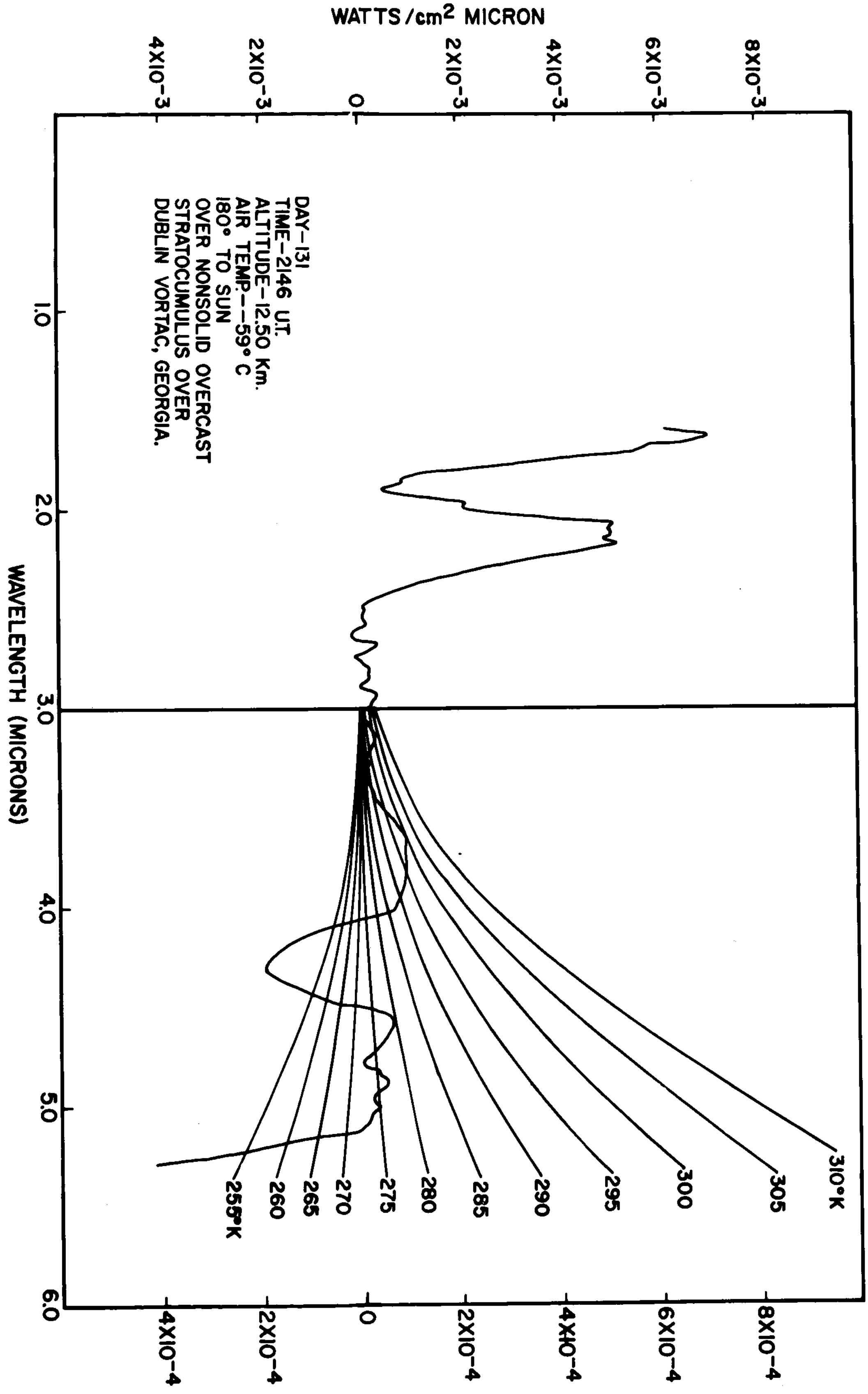

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-131
TIME-2144 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

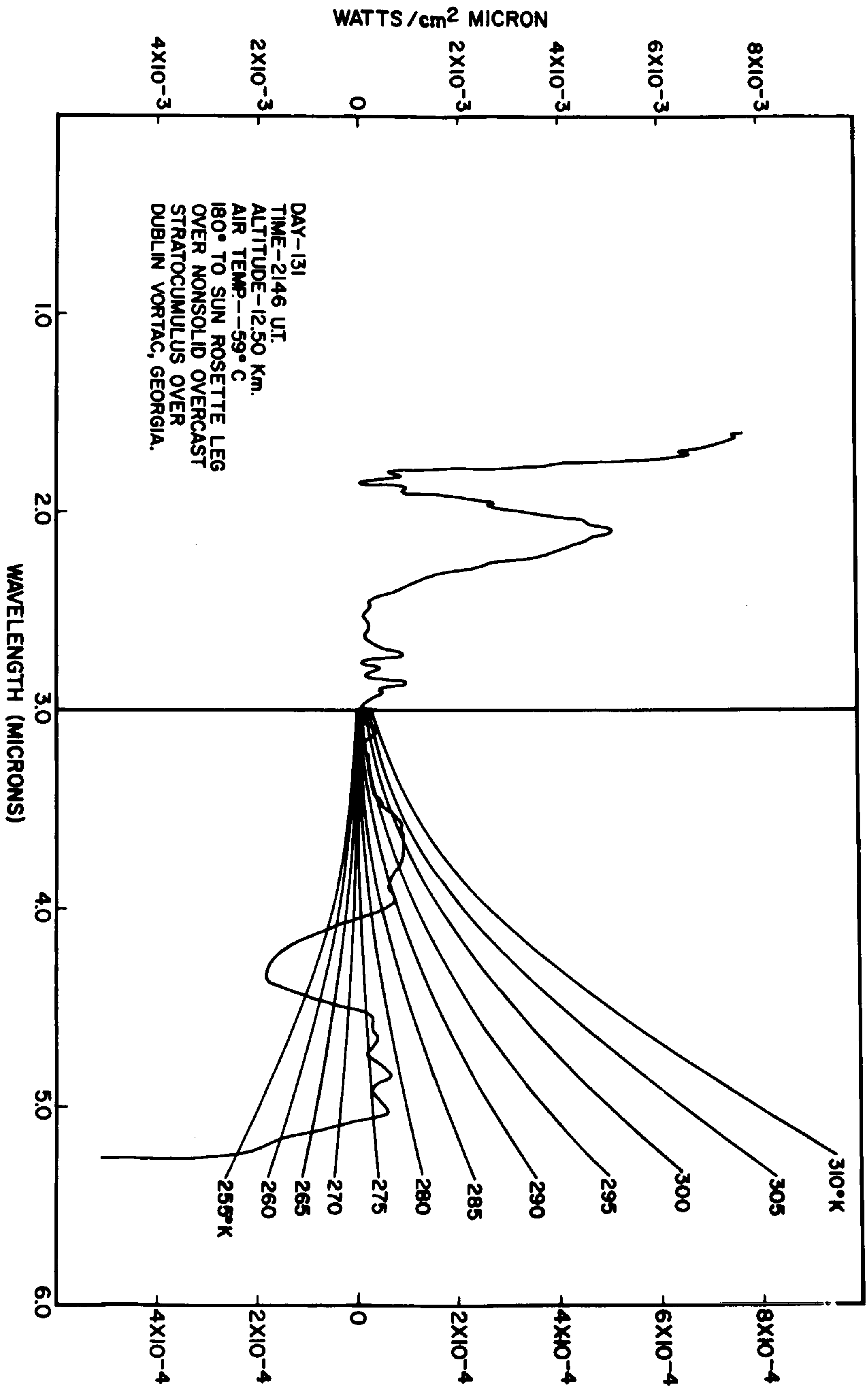

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2144 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

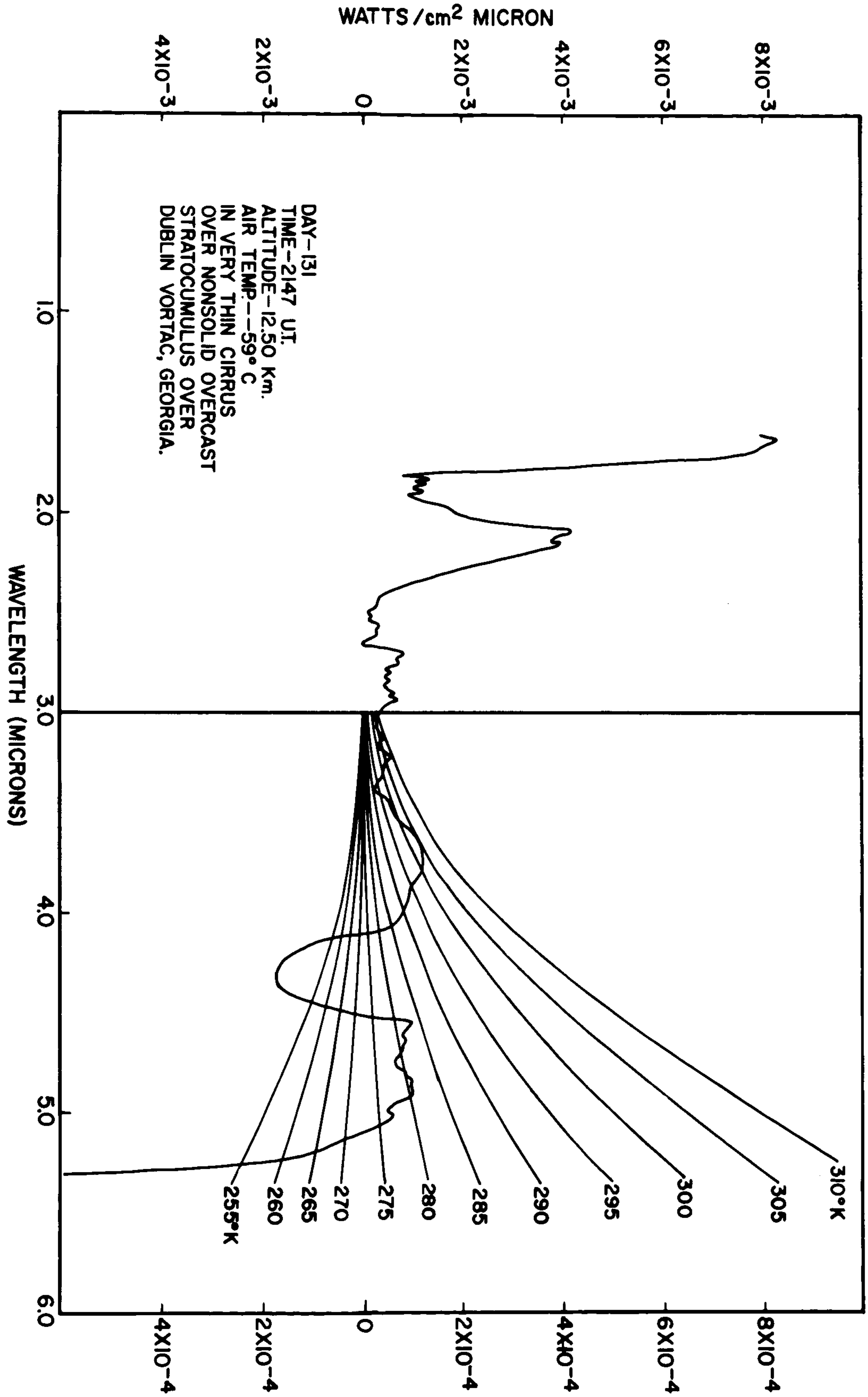


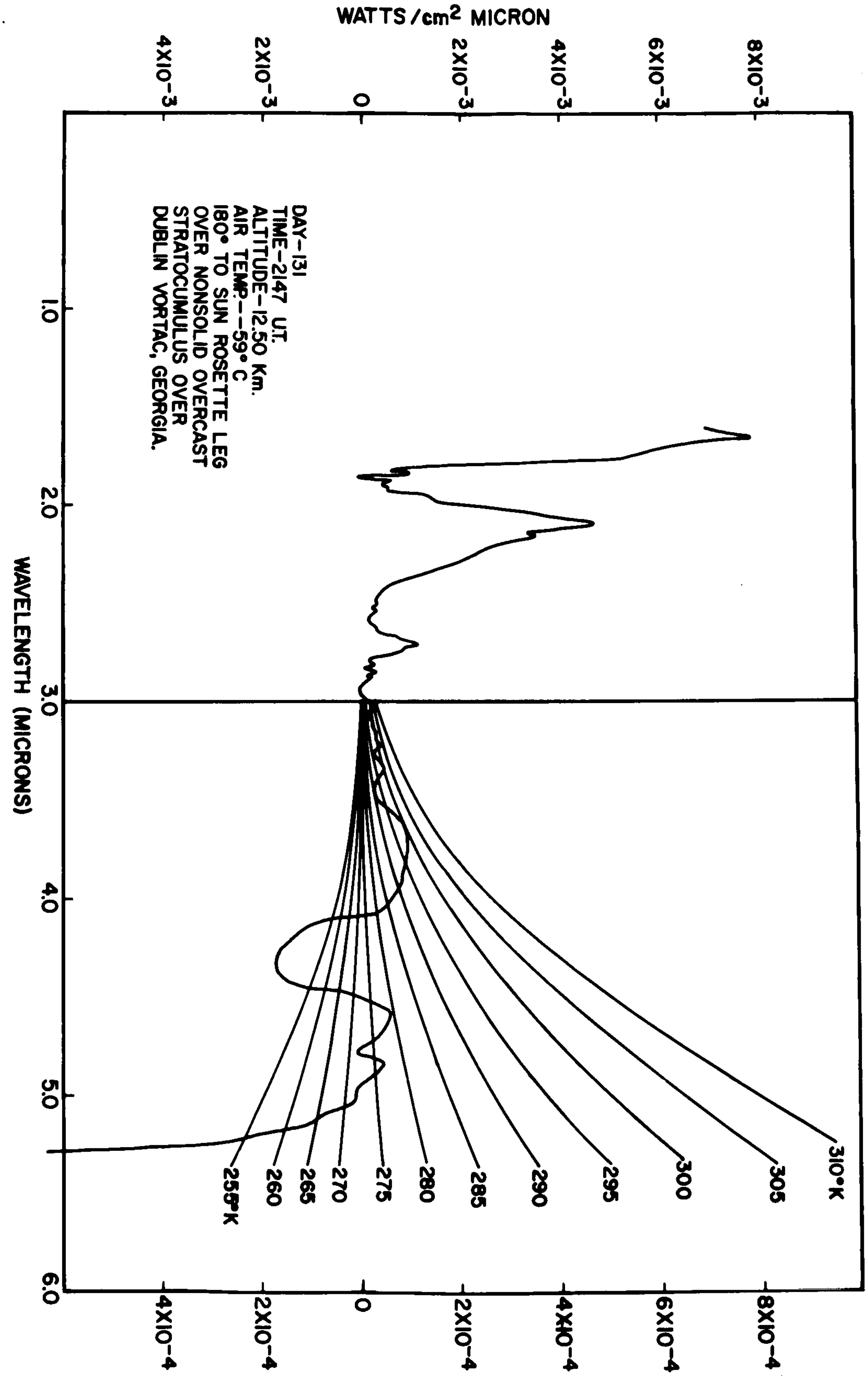
WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-2145 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

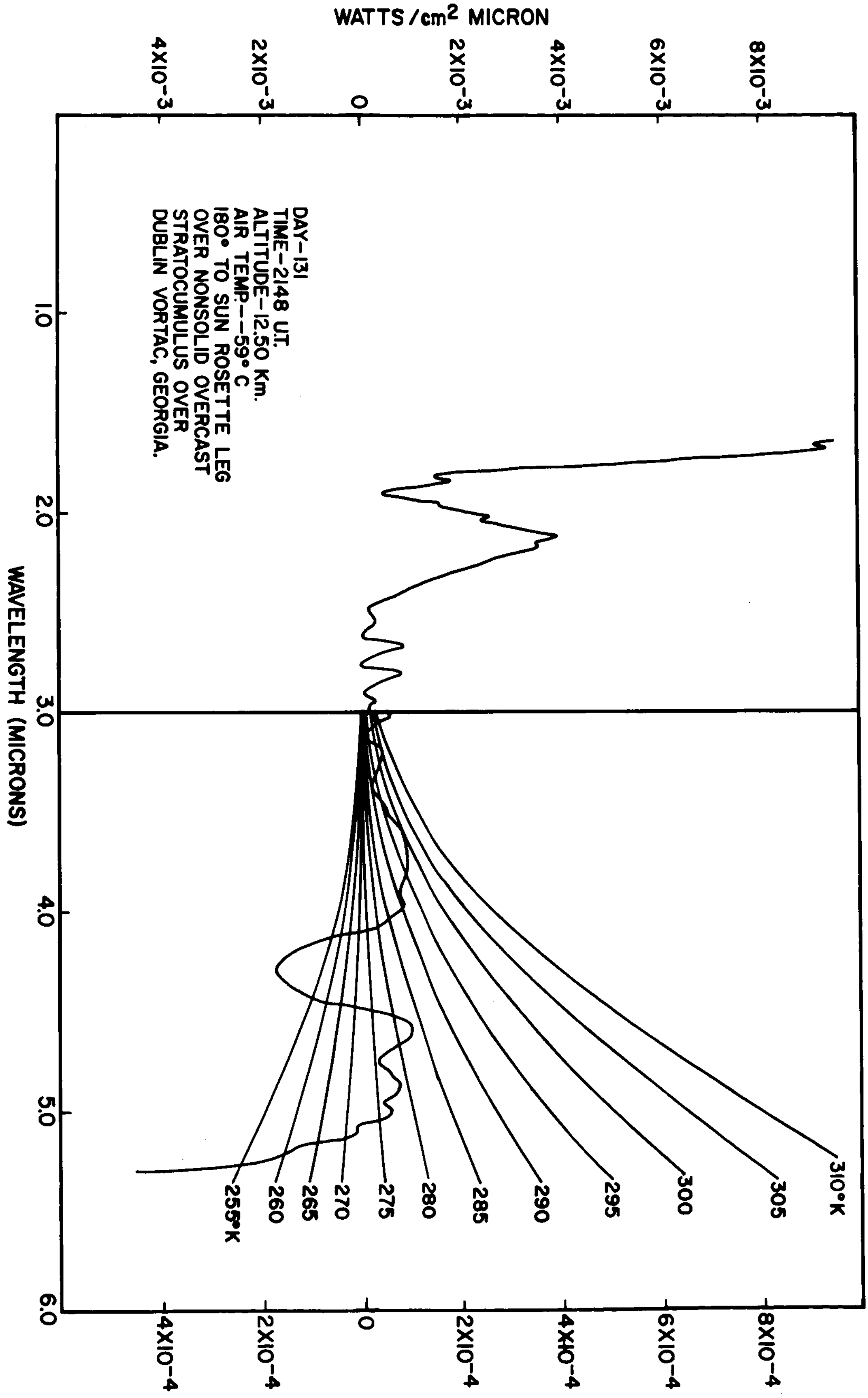

WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-2145 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

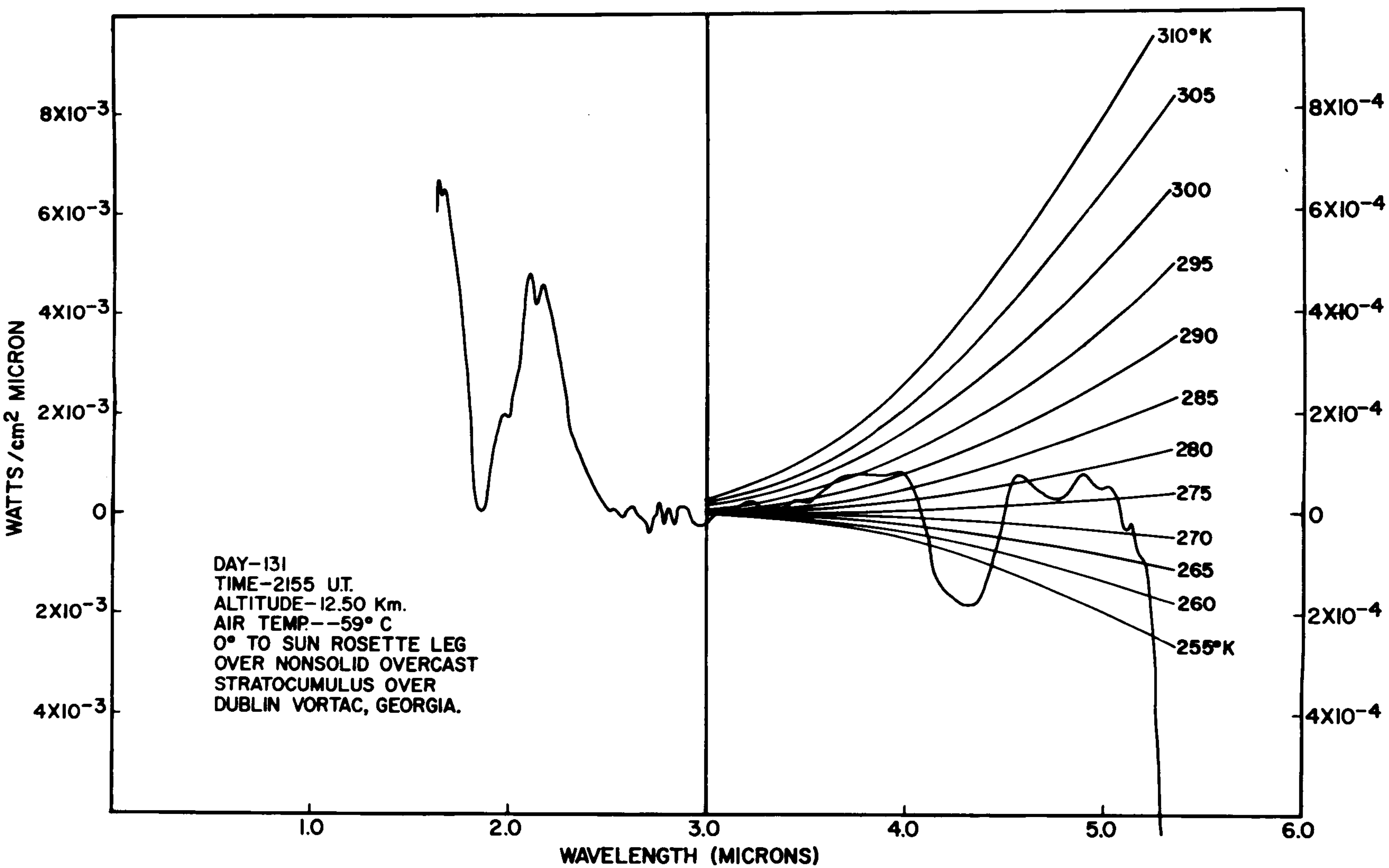

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2146 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2146 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

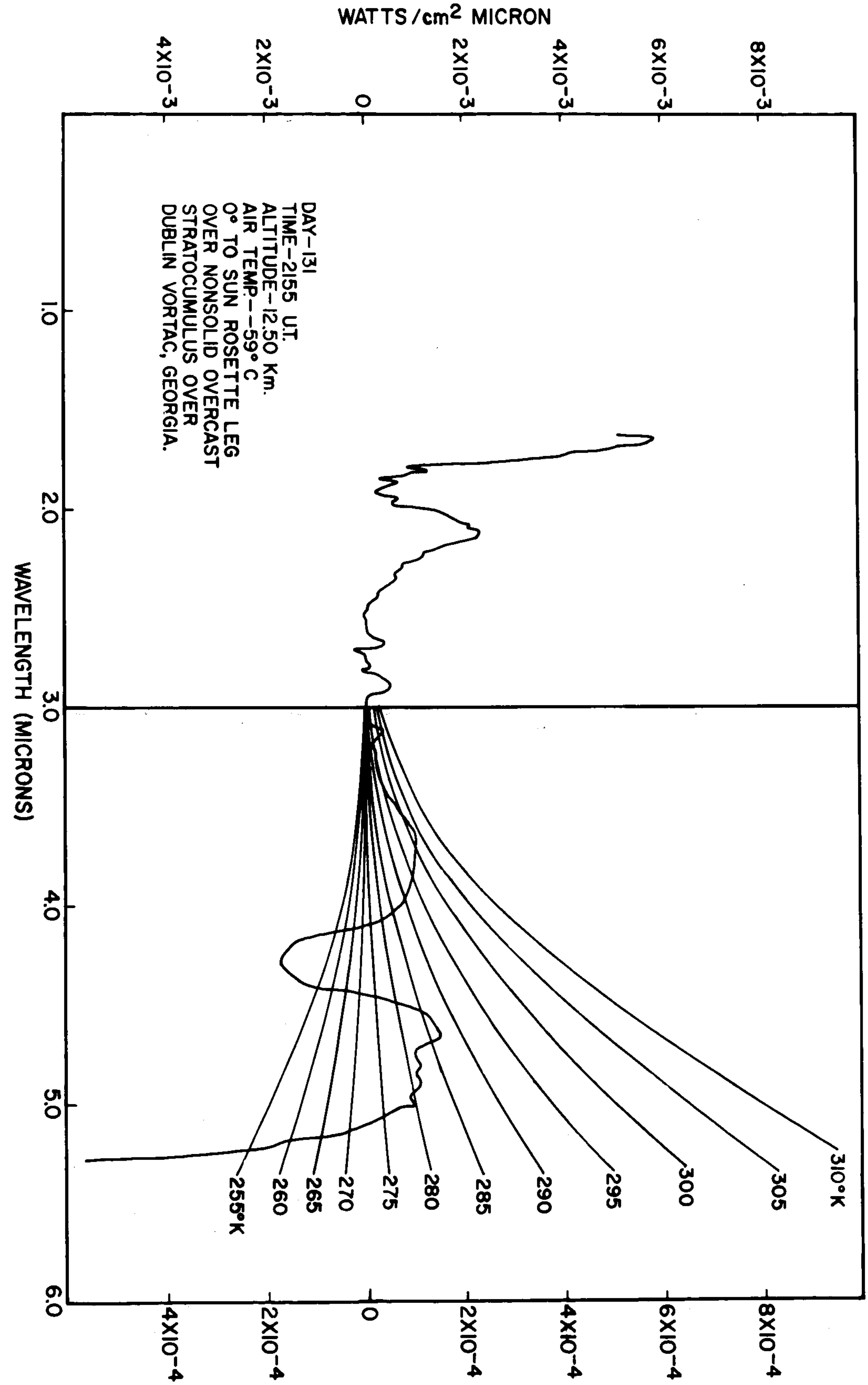

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2147 U.T.
ALTITUDE-12.50 Km.
AIR TEMP--59° C
IN VERY THIN CIRRUS
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

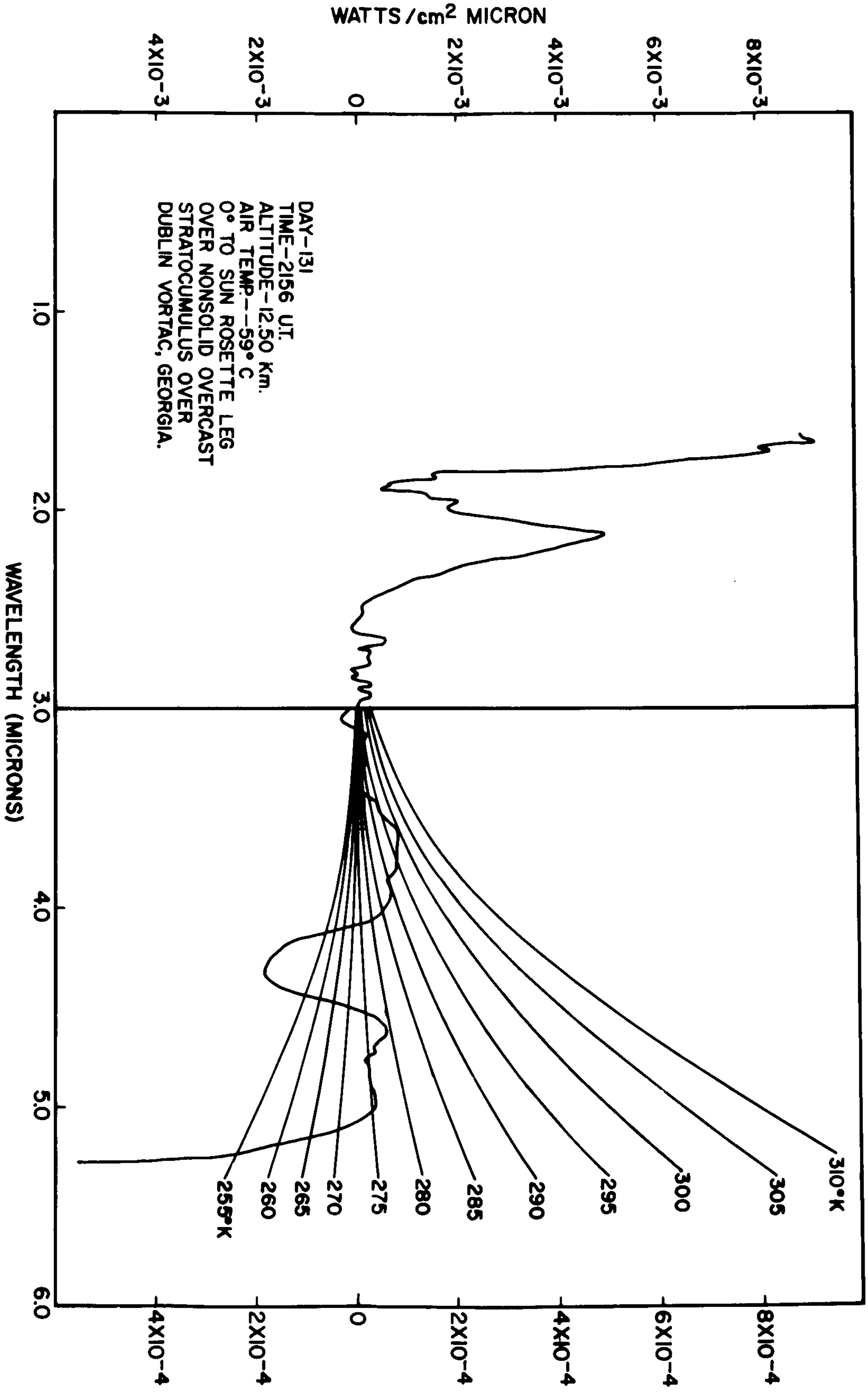

WATTS / cm² MICRON
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
6X10⁻³
8X10⁻³
DAY-131
TIME-2147 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
6X10⁻⁴
8X10⁻⁴

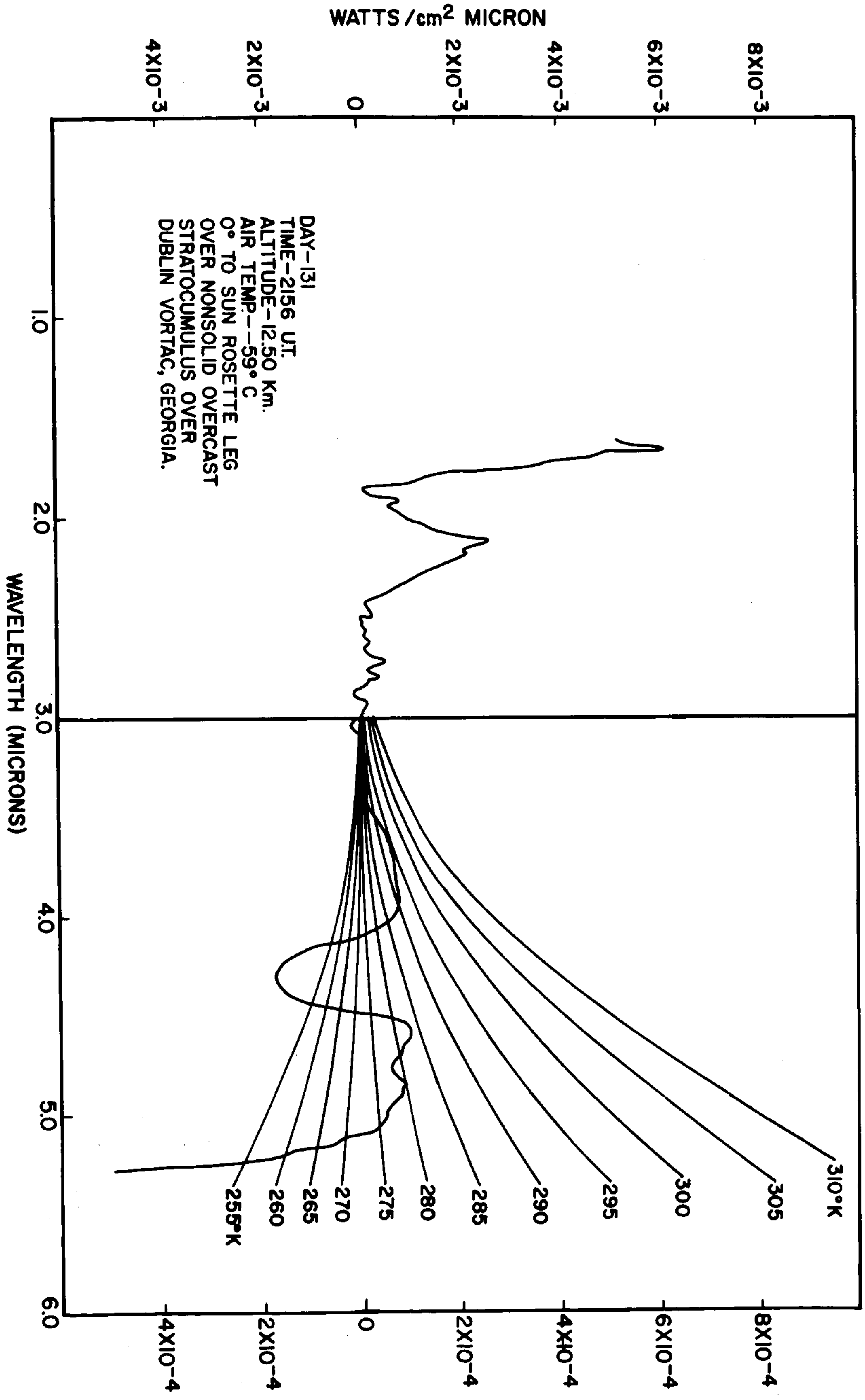

WATTS / cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-131
TIME-2148 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
180° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4



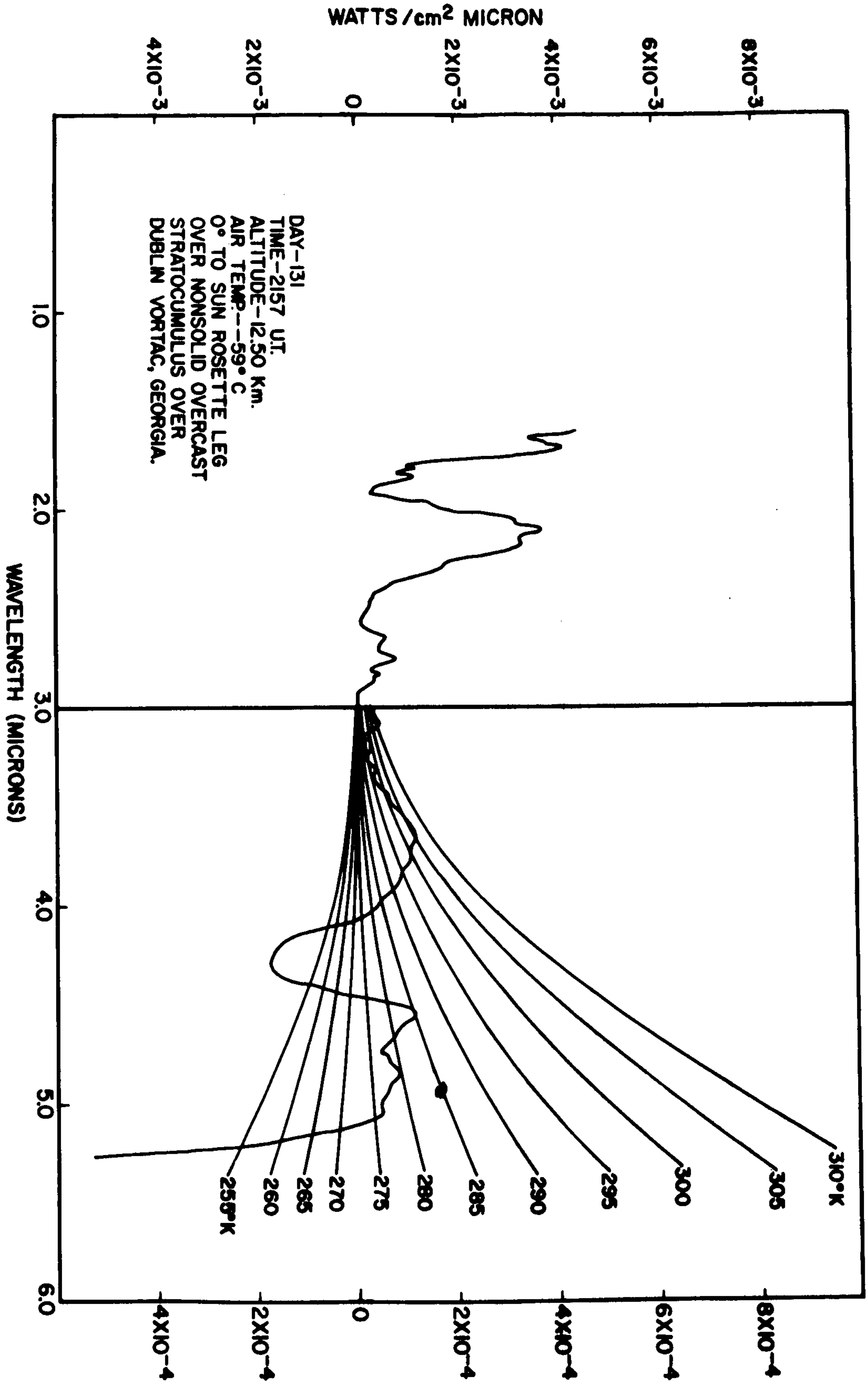
WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-131
TIME-2155 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-2155 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUIMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

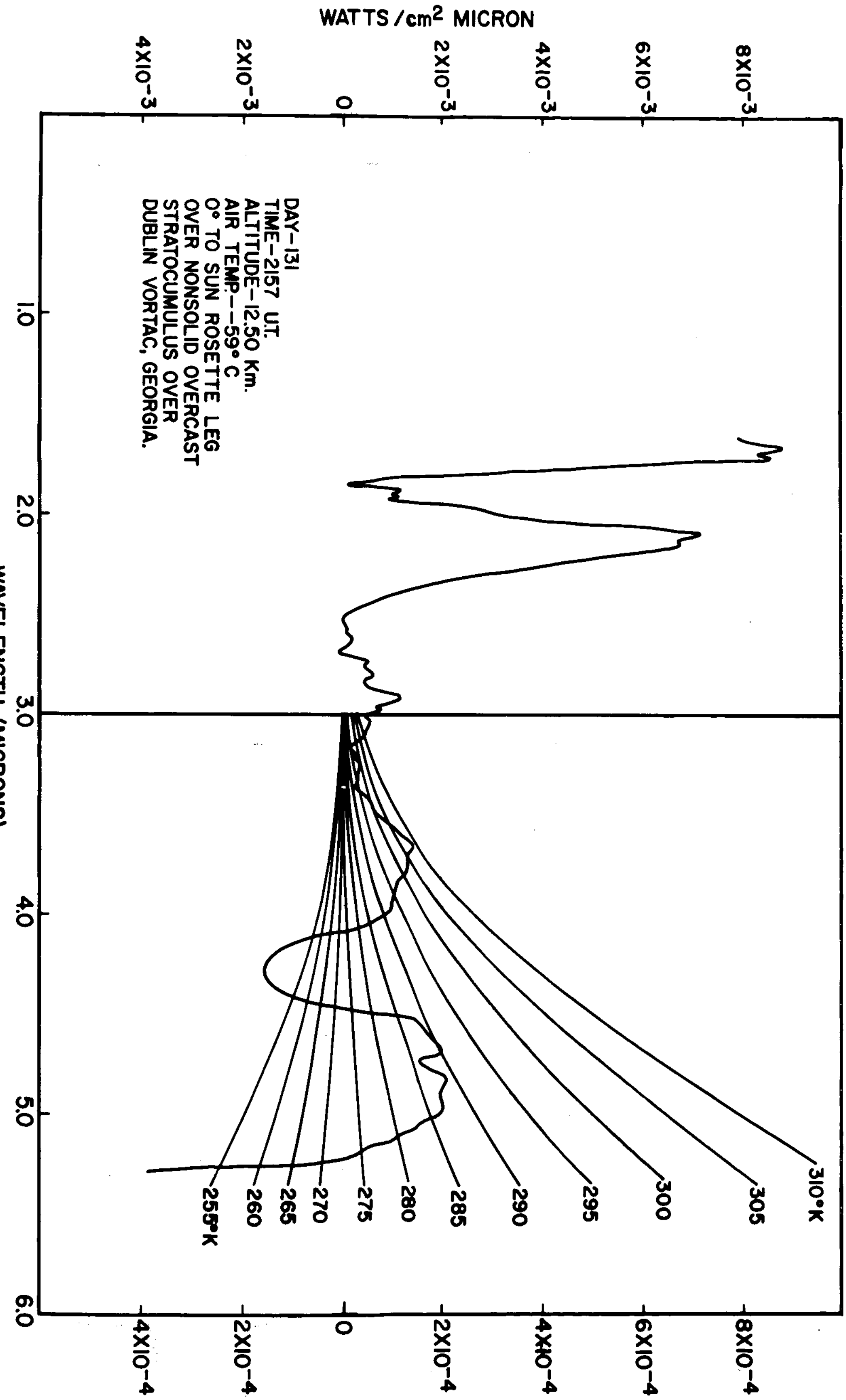

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-2156 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴



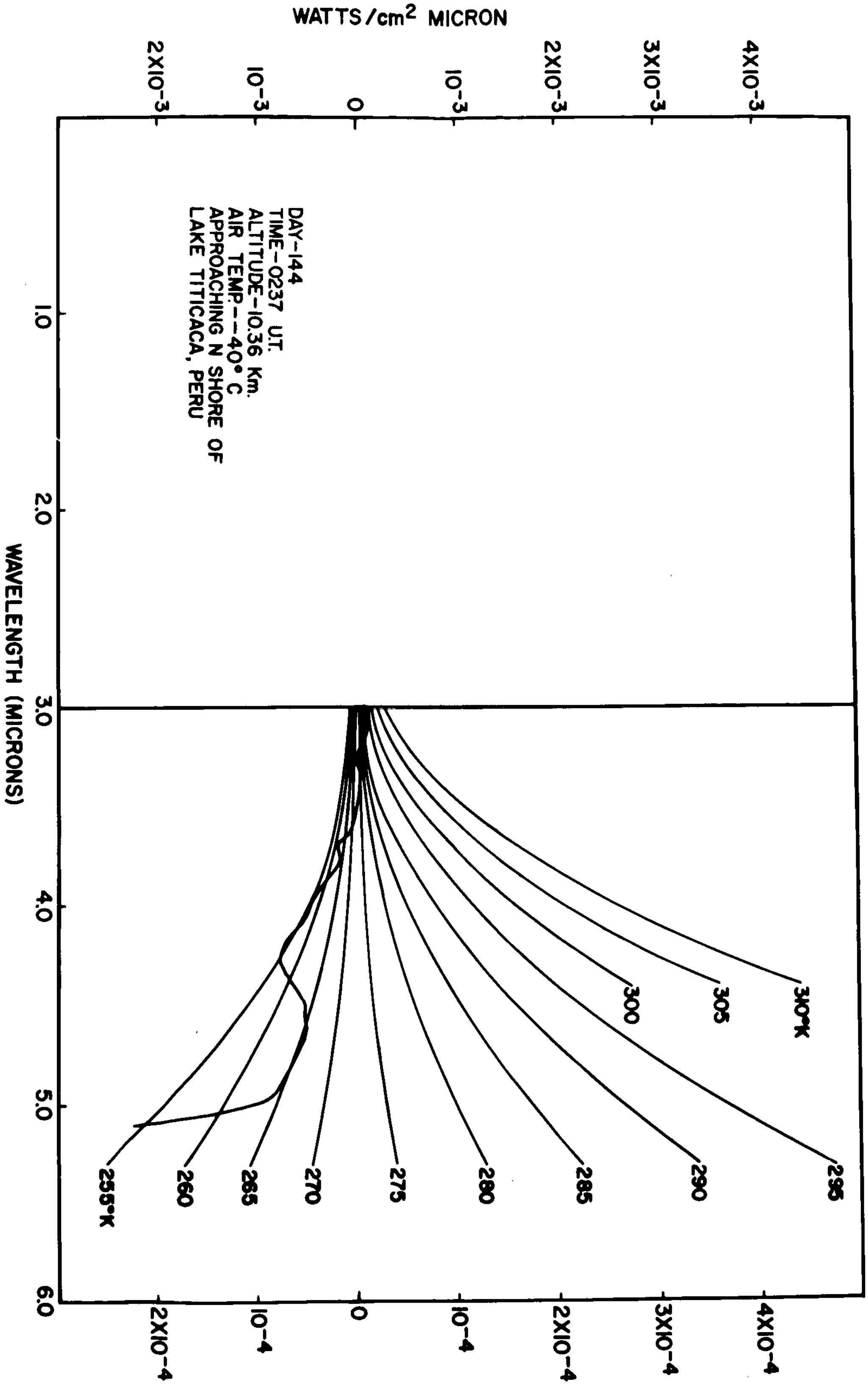
WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-131
TIME-2156 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

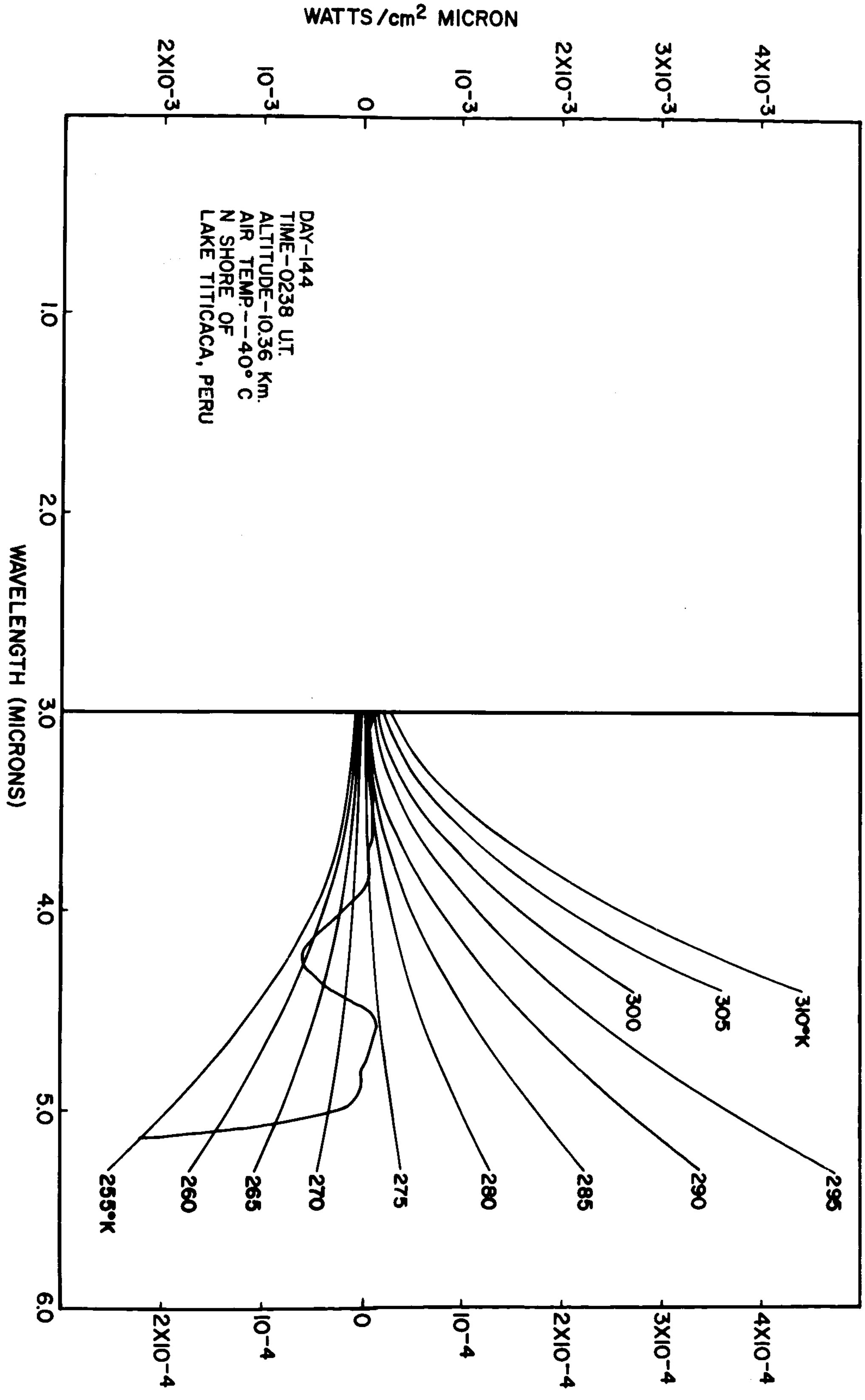


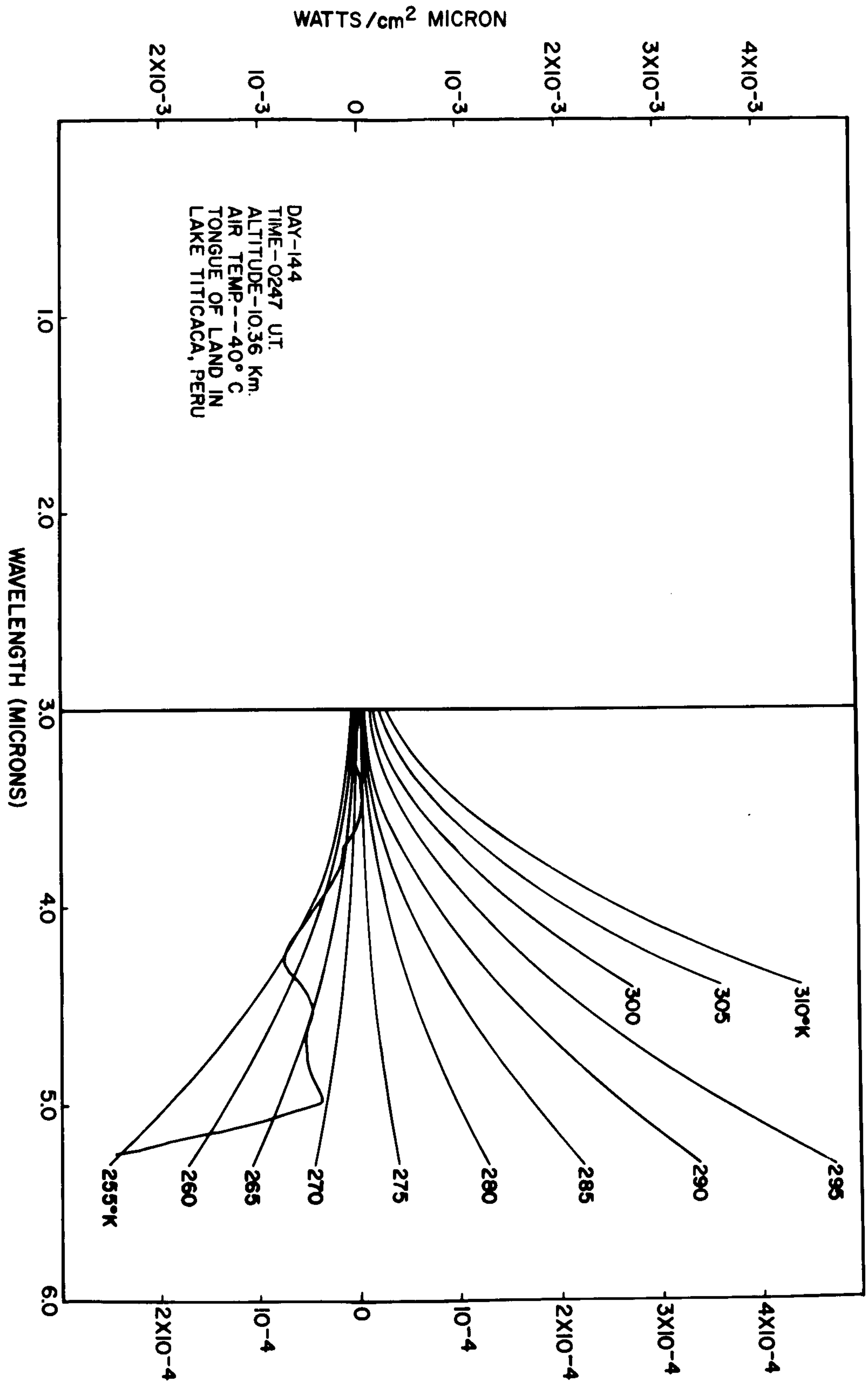
WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2157 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

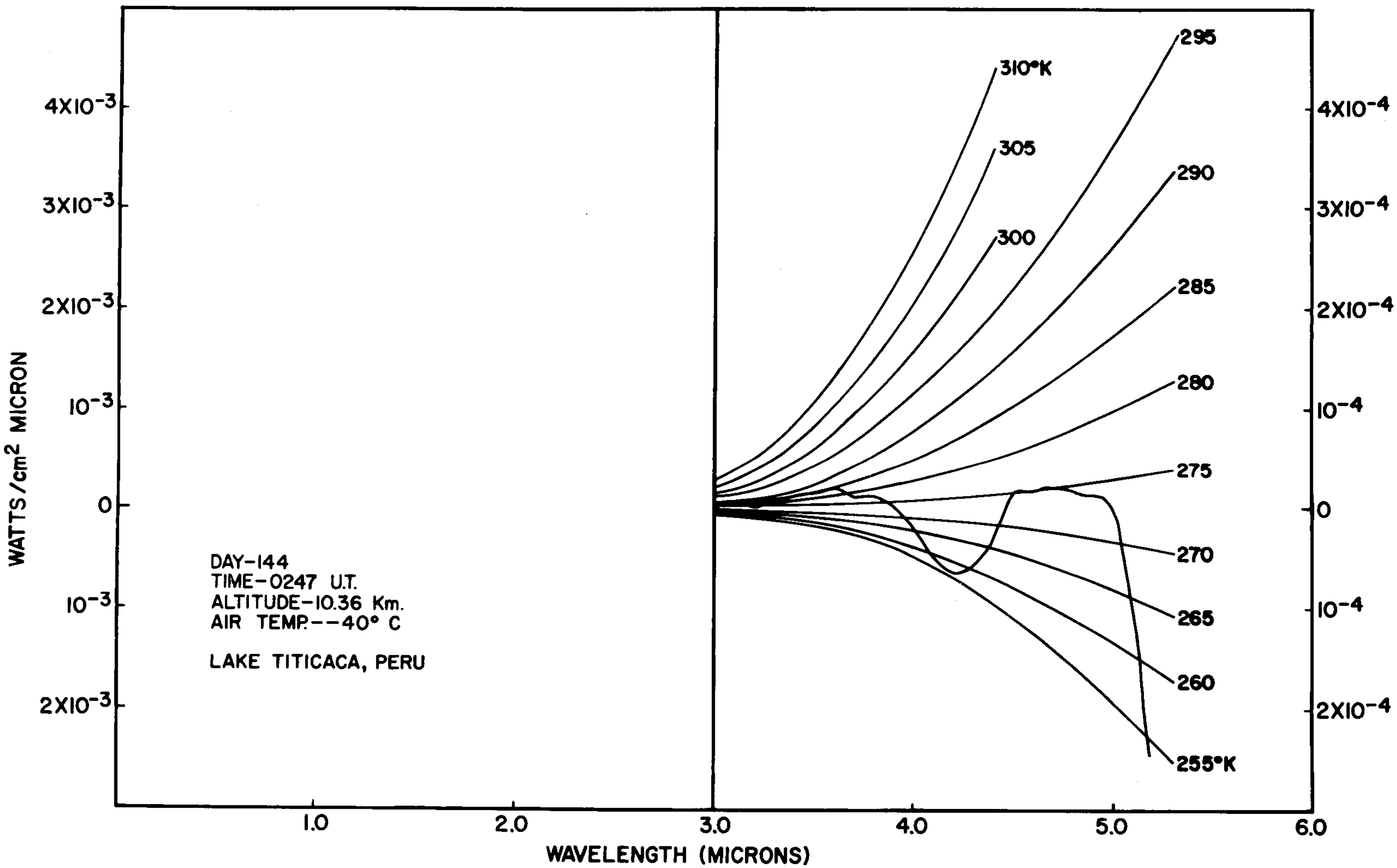


WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-131
TIME-2157 U.T.
ALTITUDE-12.50 Km.
AIR TEMP.--59° C
0° TO SUN ROSETTE LEG
OVER NONSOLID OVERCAST
STRATOCUMULUS OVER
DUBLIN VORTAC, GEORGIA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

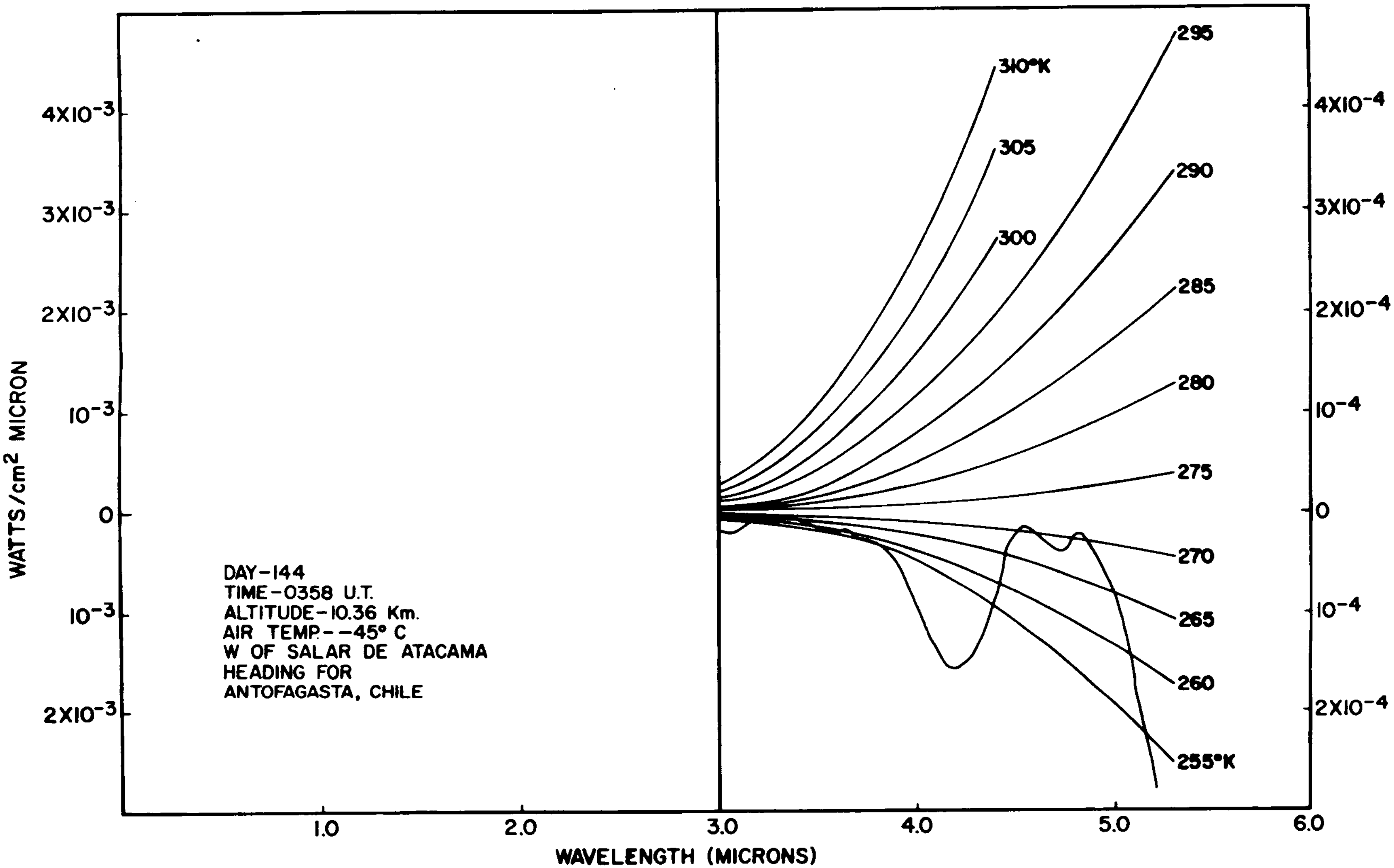

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0237 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--40° C
APPROACHING N SHORE OF
LAKE TITICACA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

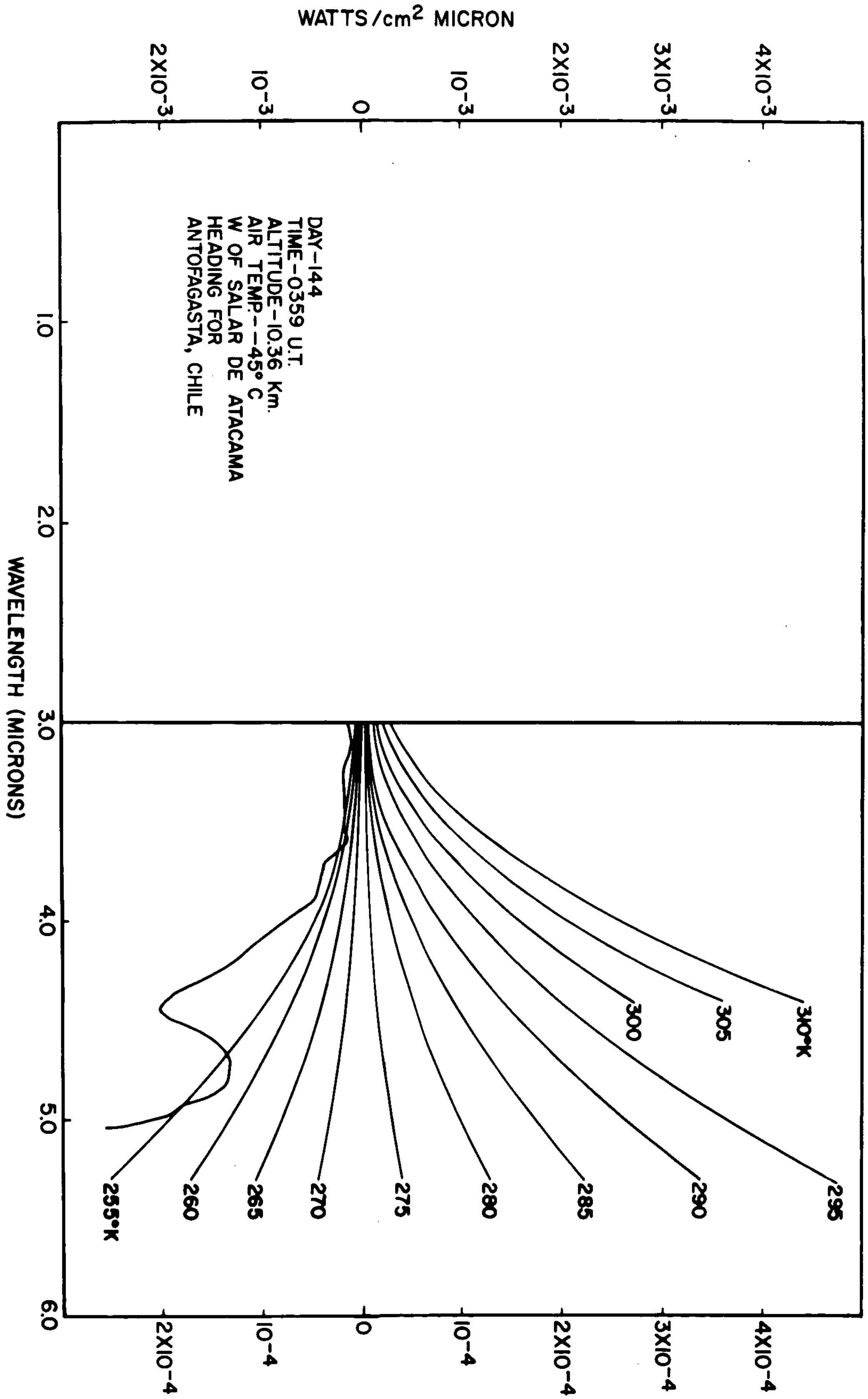

WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0238 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--40° C
N SHORE OF
LAKE TITICACA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

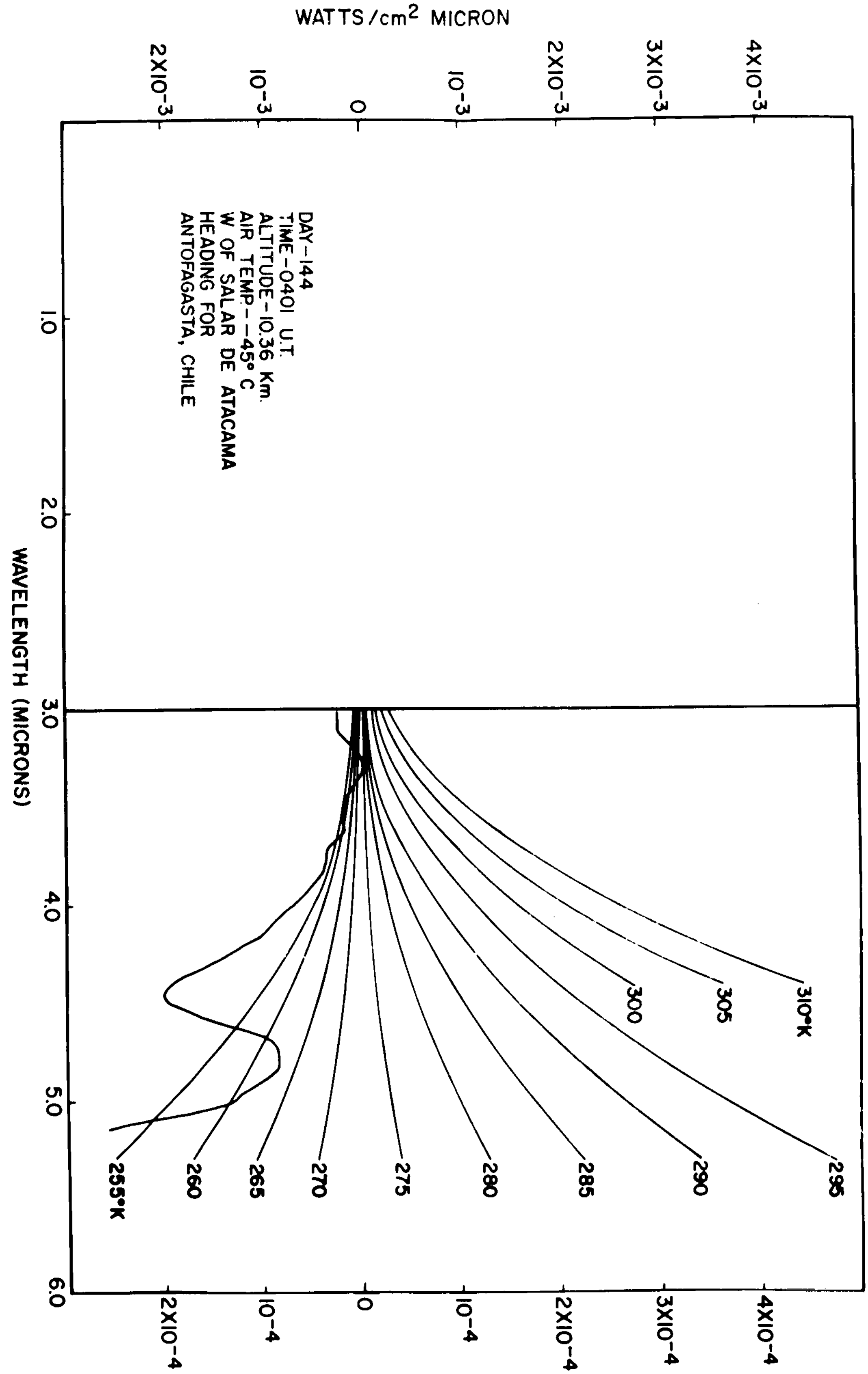

WATTS/cm² MICRON
DAY-144
TIME-0247 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--40° C
TONGUE OF LAND IN
LAKE TITICACA, PERU
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K

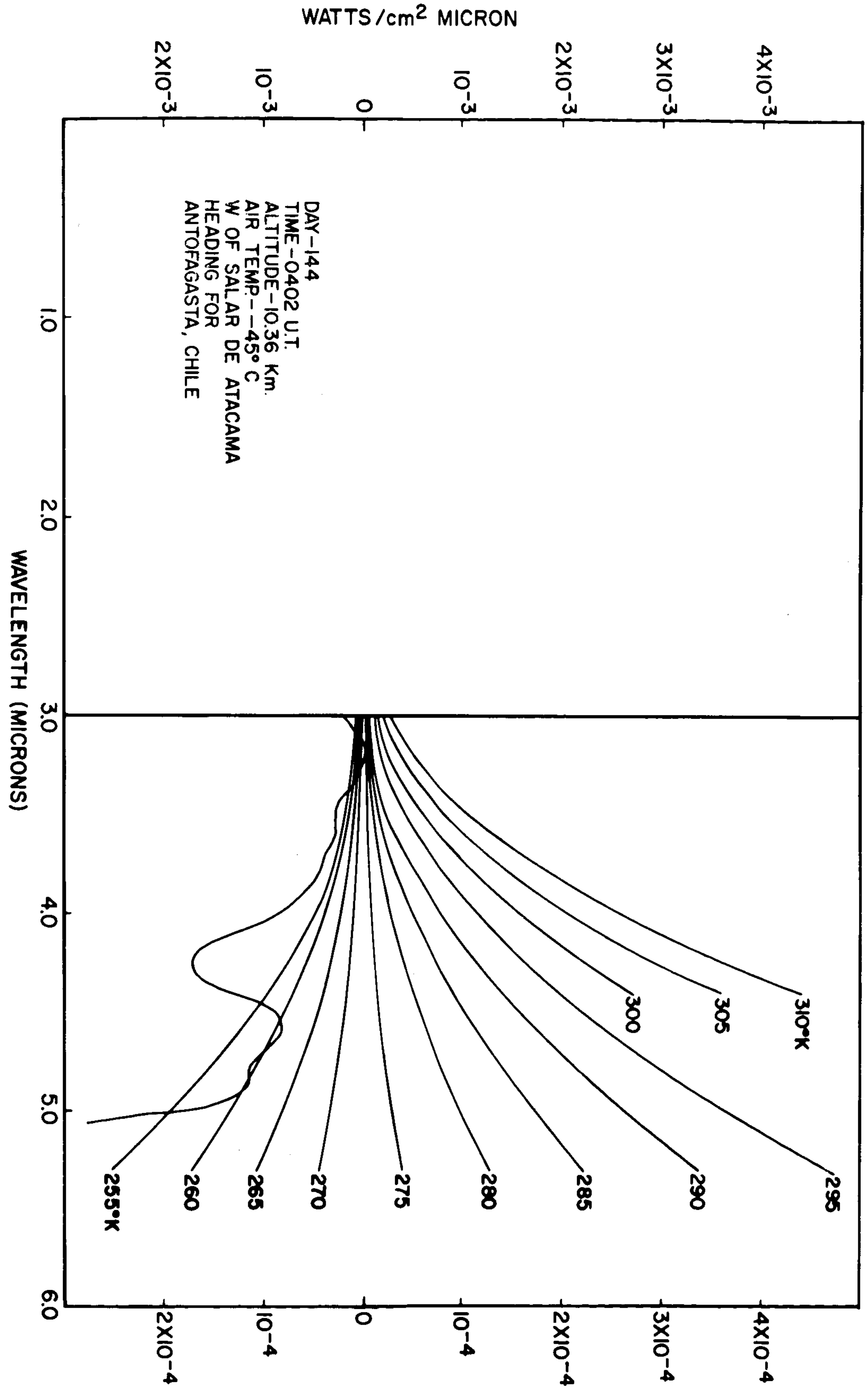


WATTS/cm^2 MICRON
4×10^{-3}
3×10^{-3}
2×10^{-3}
10^{-3}
0
10^{-3}
2×10^{-3}
4×10^{-4}
3×10^{-4}
2×10^{-4}
10^{-4}
0
10^{-4}
2×10^{-4}
DAY-144
TIME-0247 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--40° C
LAKE TITICACA, PERU
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

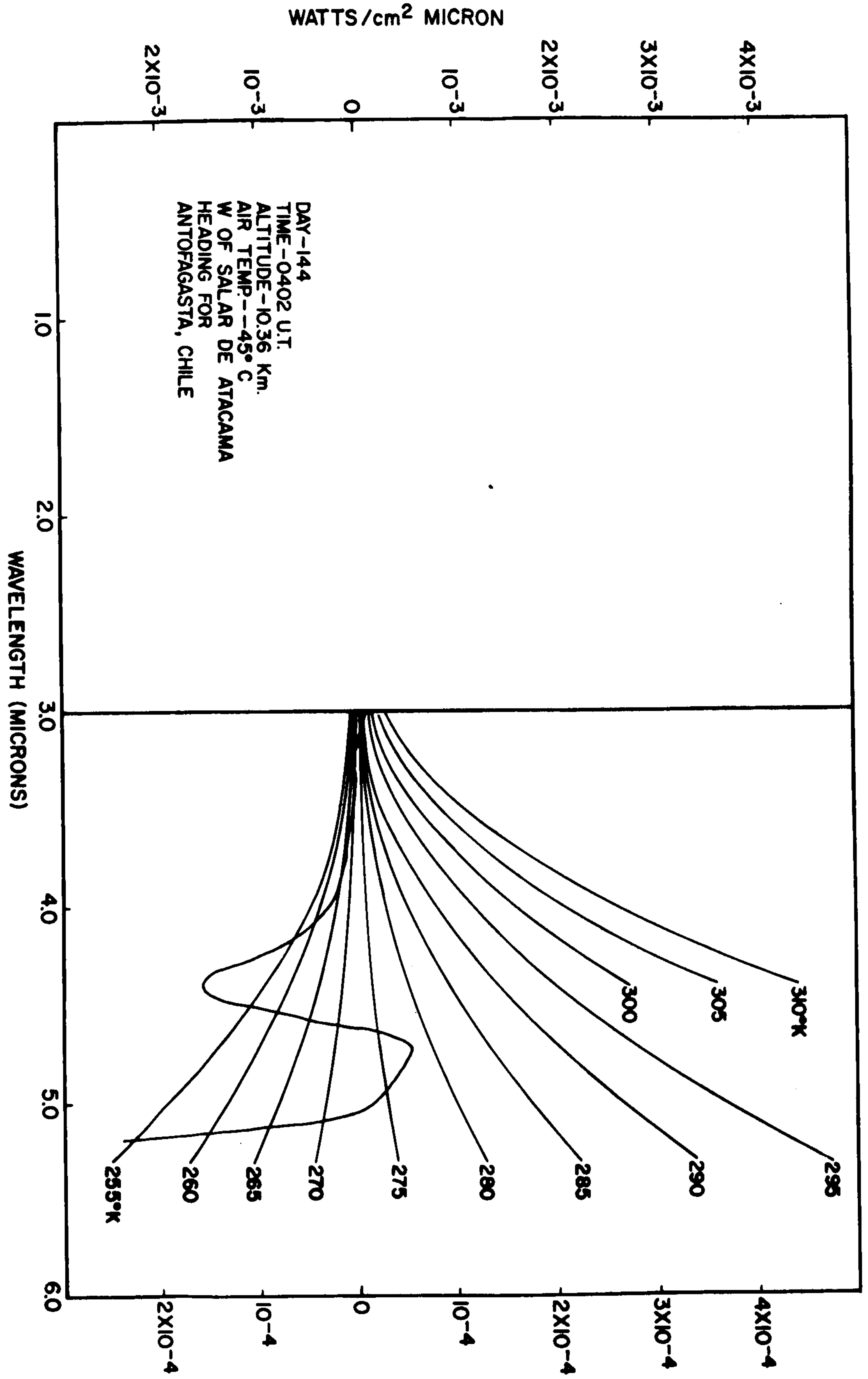

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0358 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

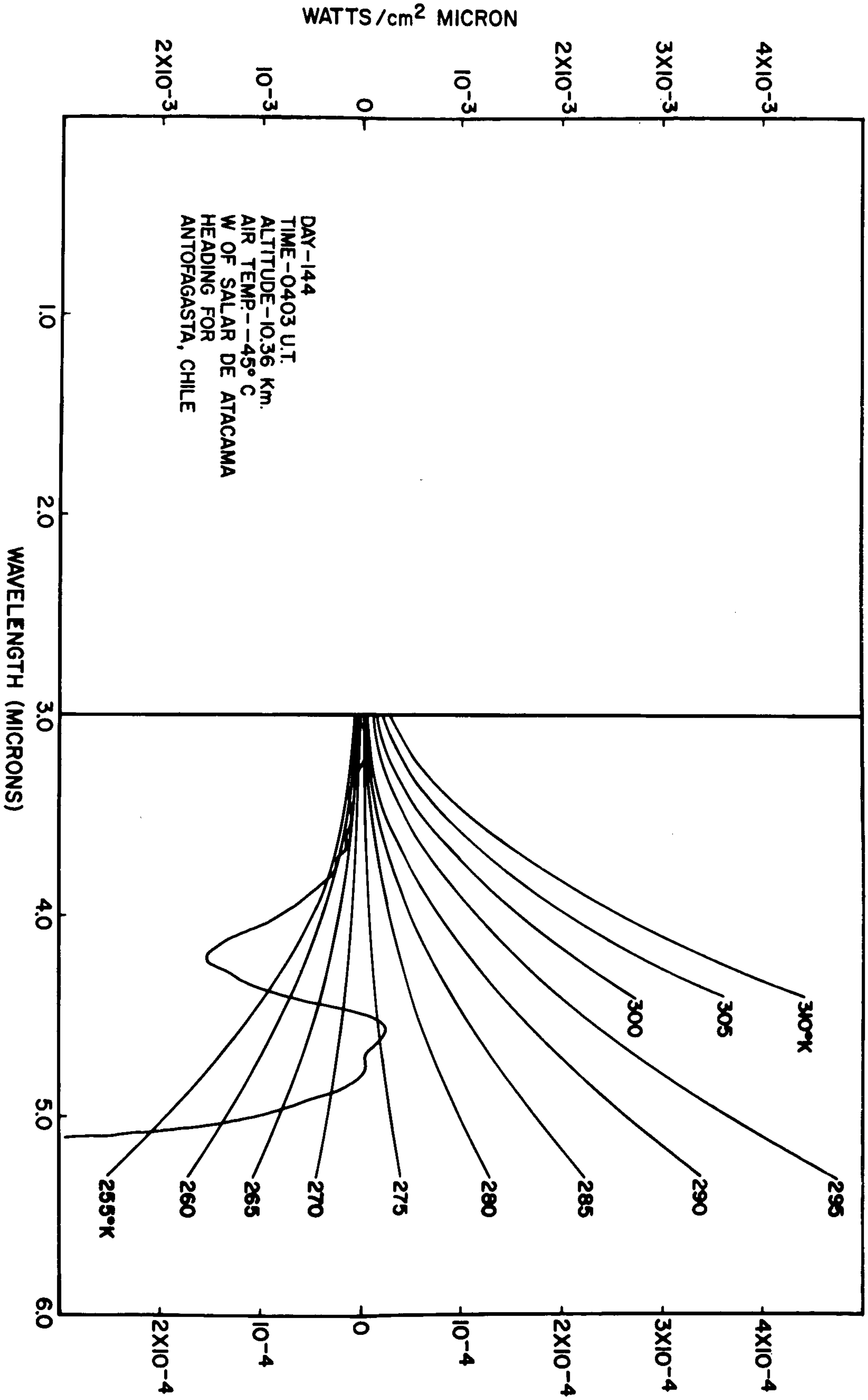

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0359 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

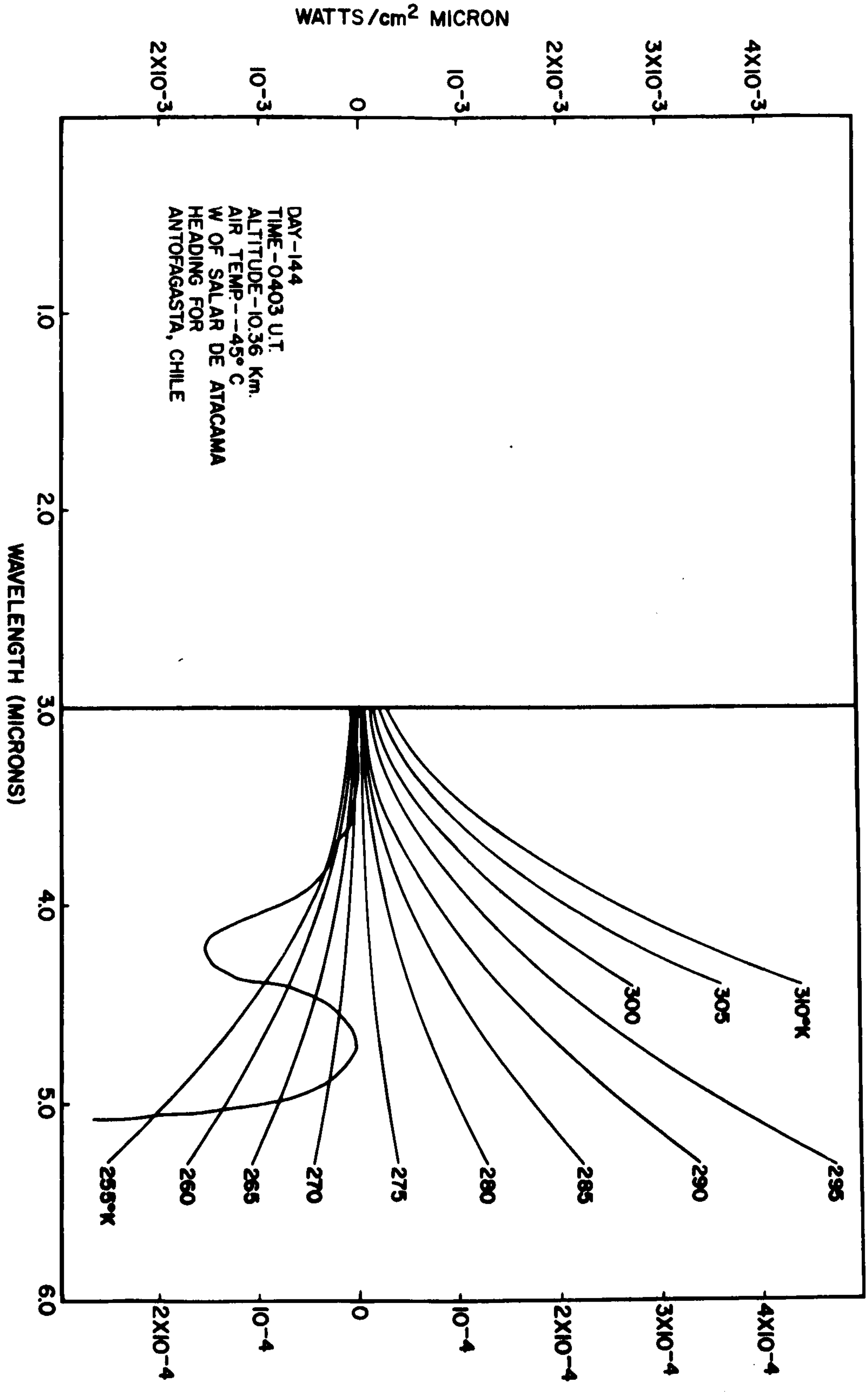

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0401 U.T.
ALTITUDE-10.36 Km.
AIR TEMP- -45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



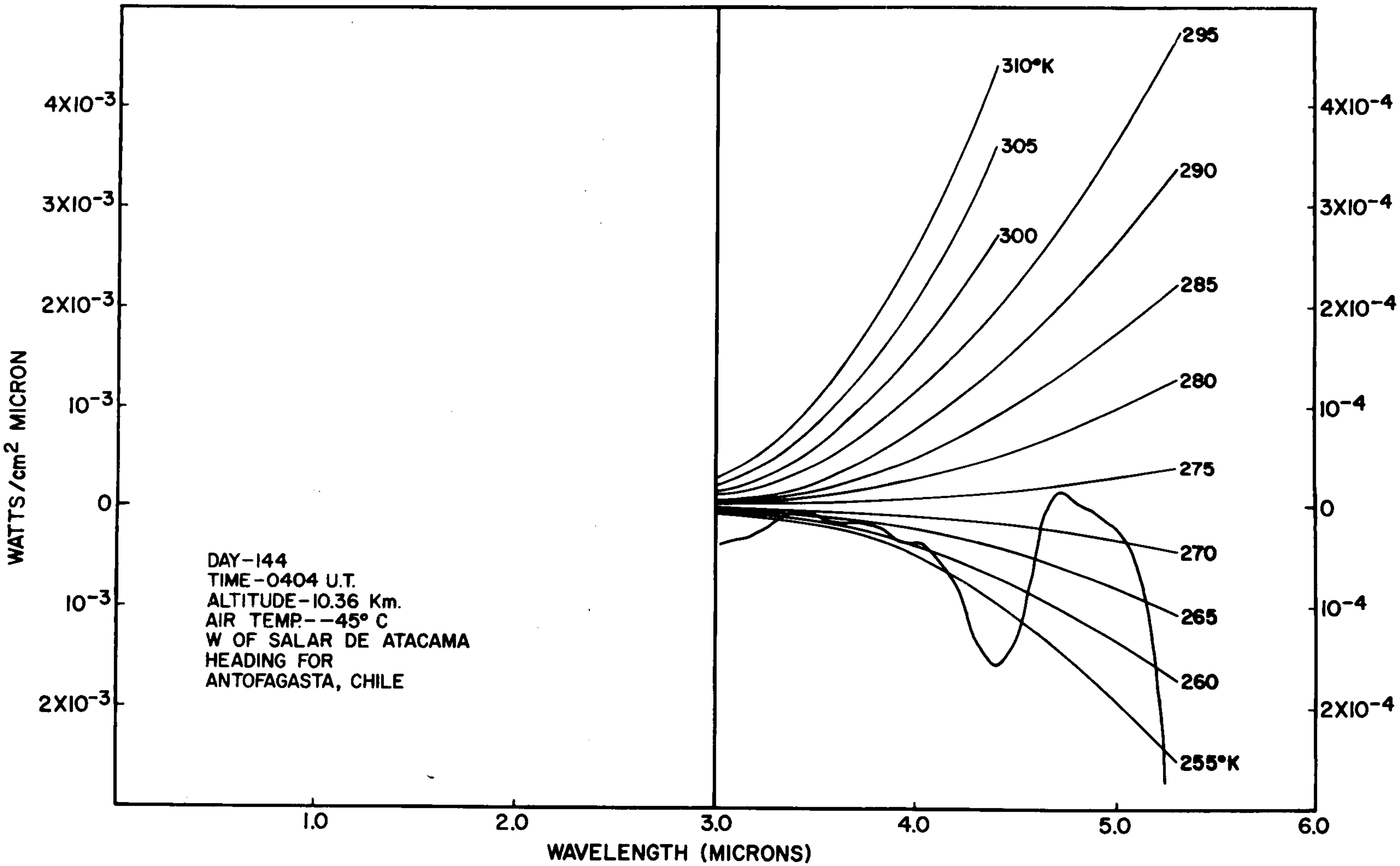
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0402 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

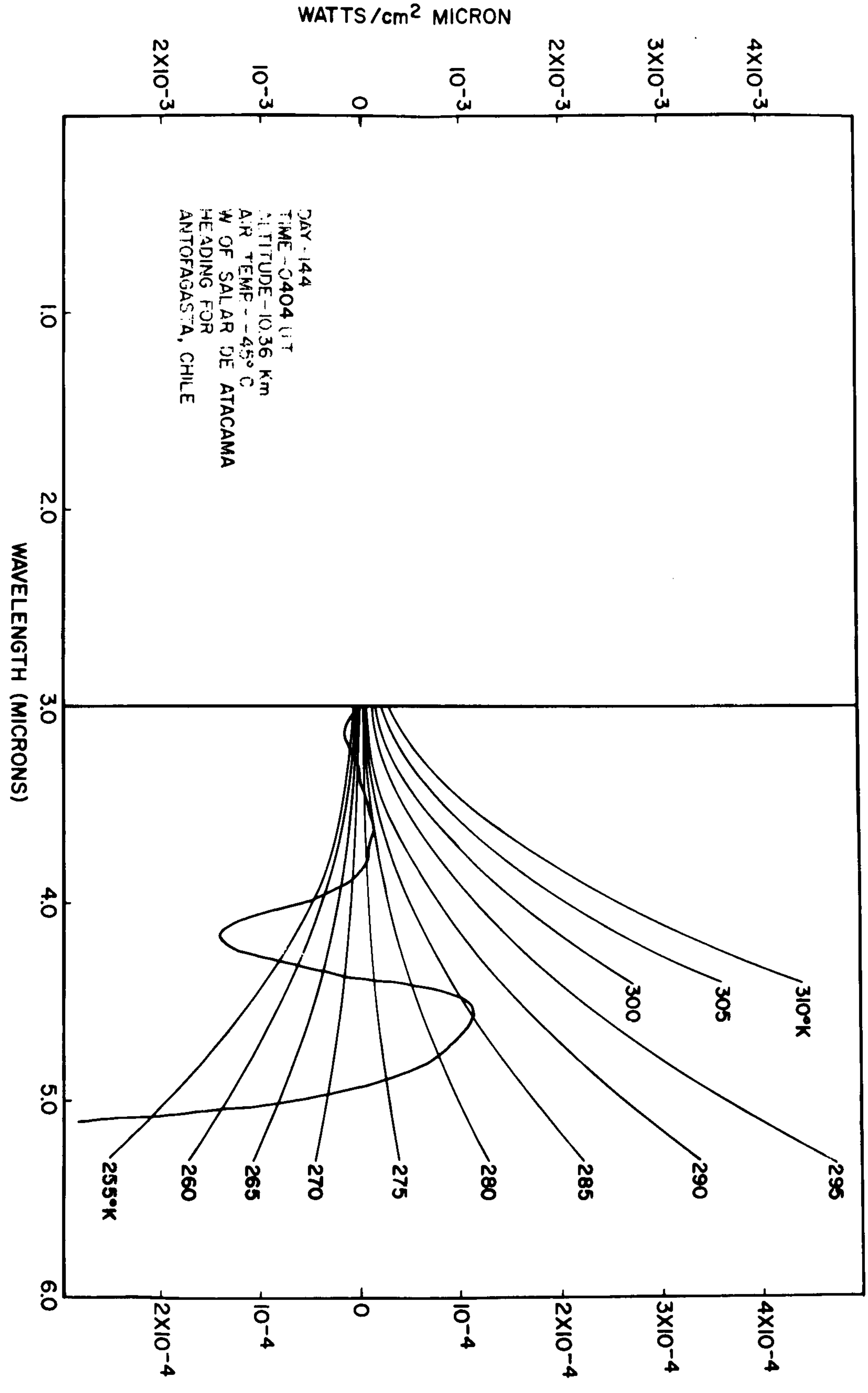

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0402 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0403 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

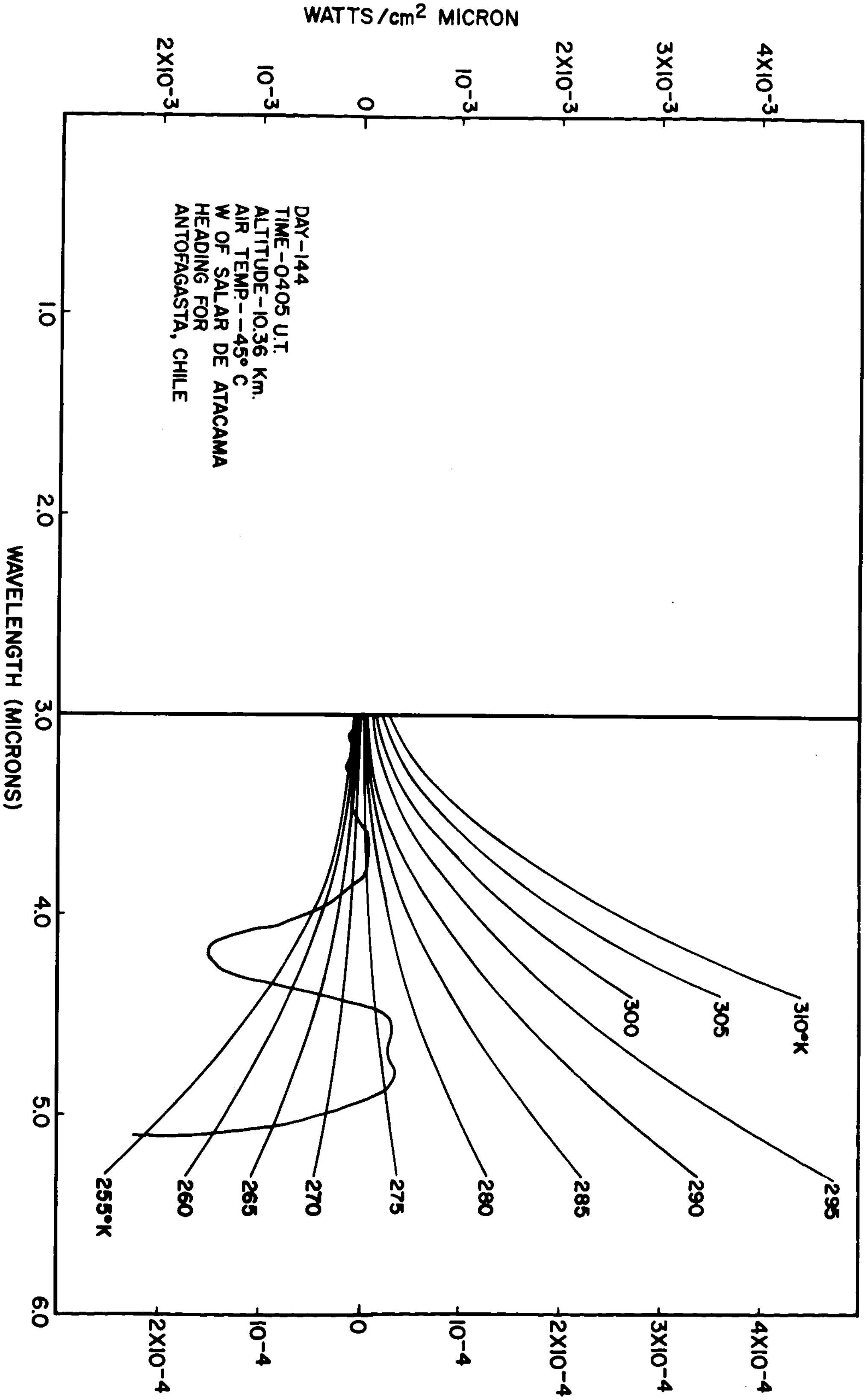


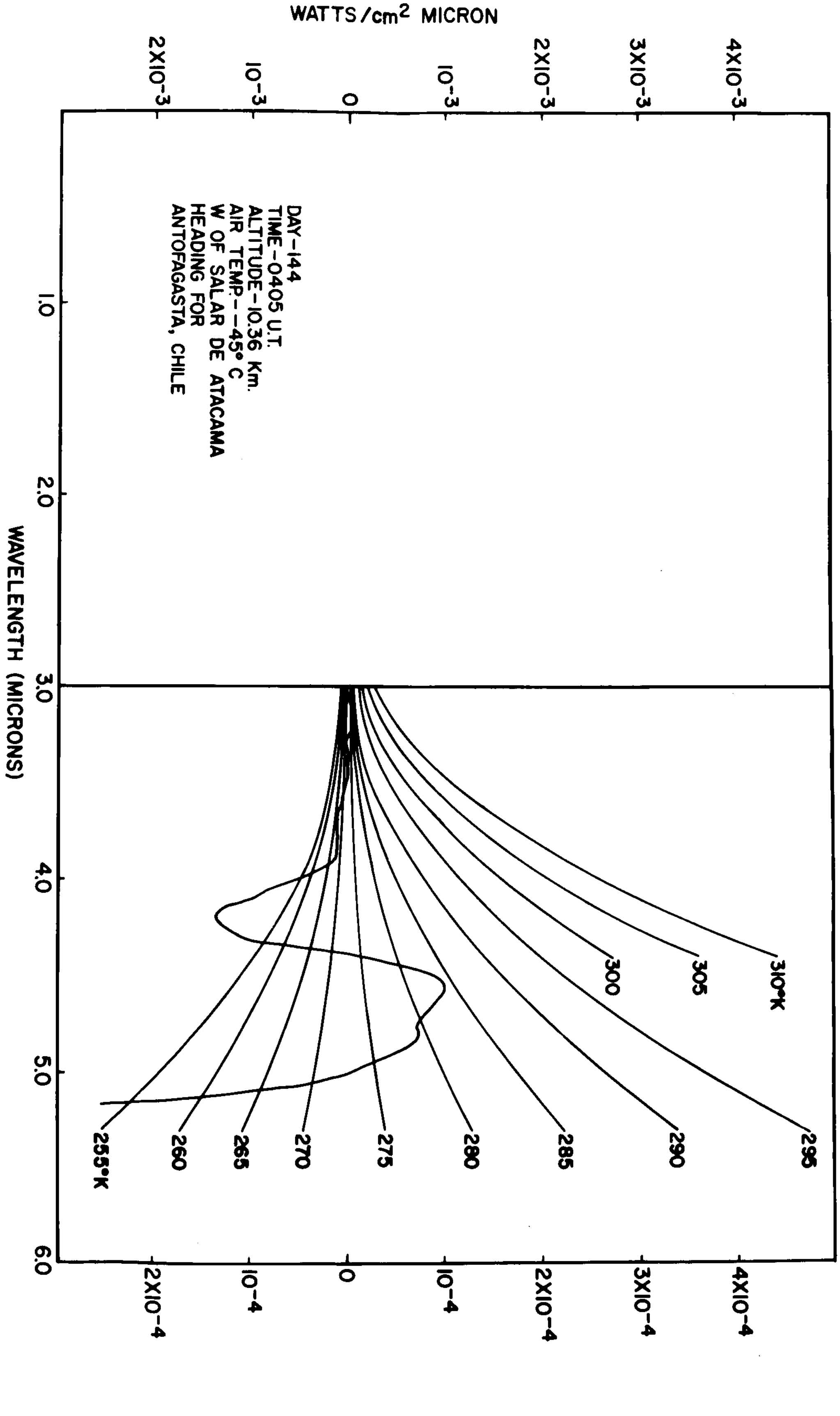
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0403 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

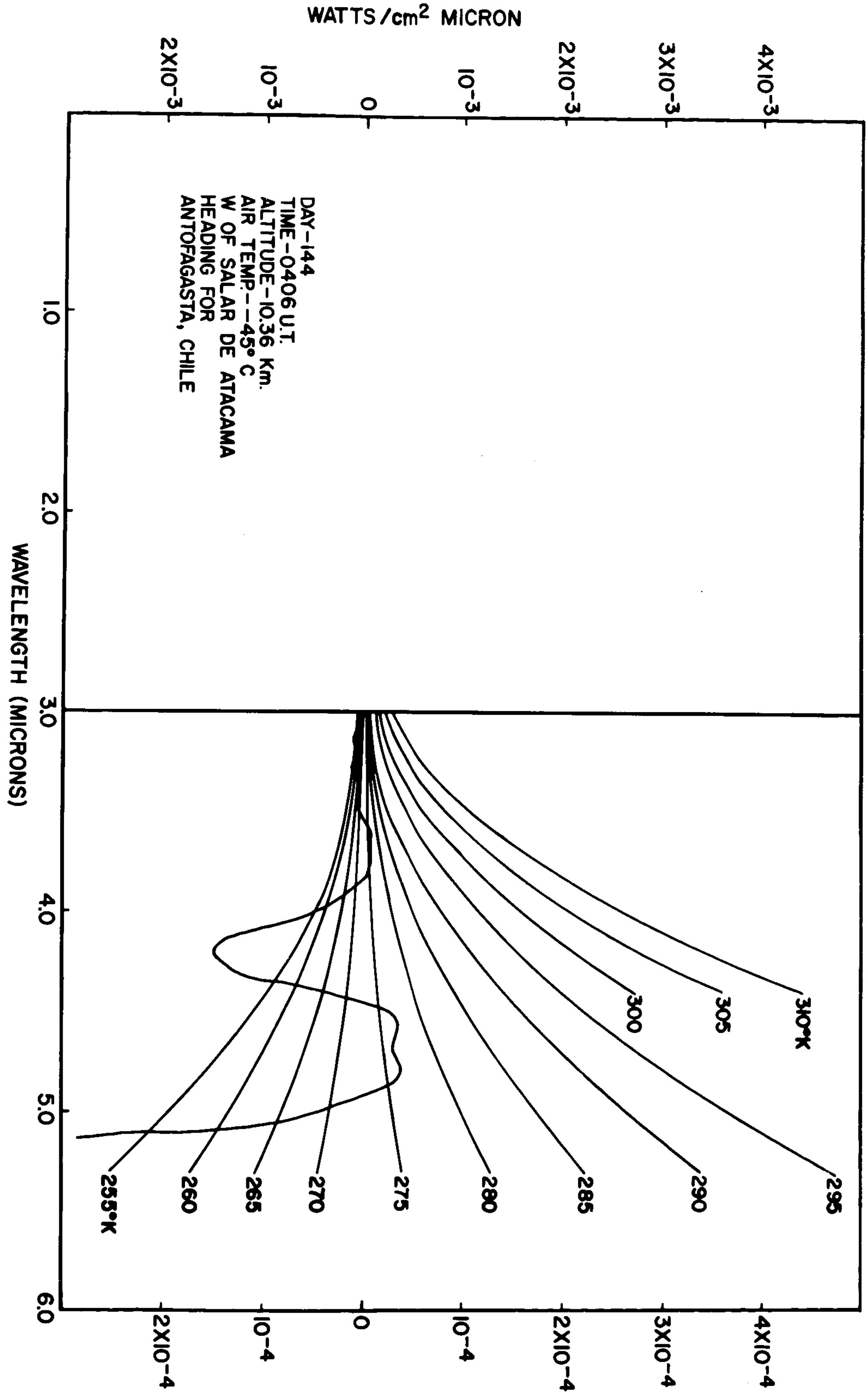

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0404 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

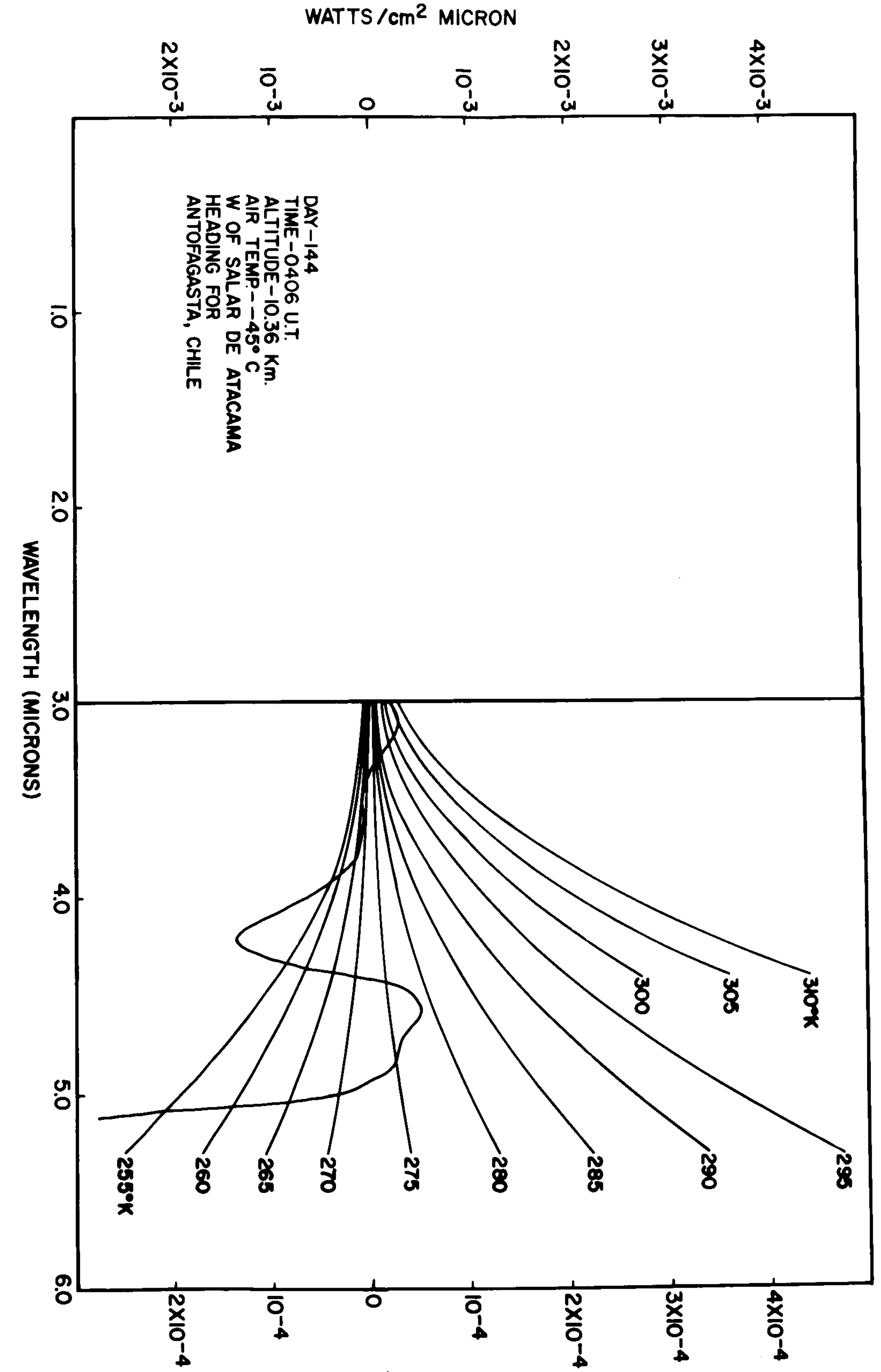


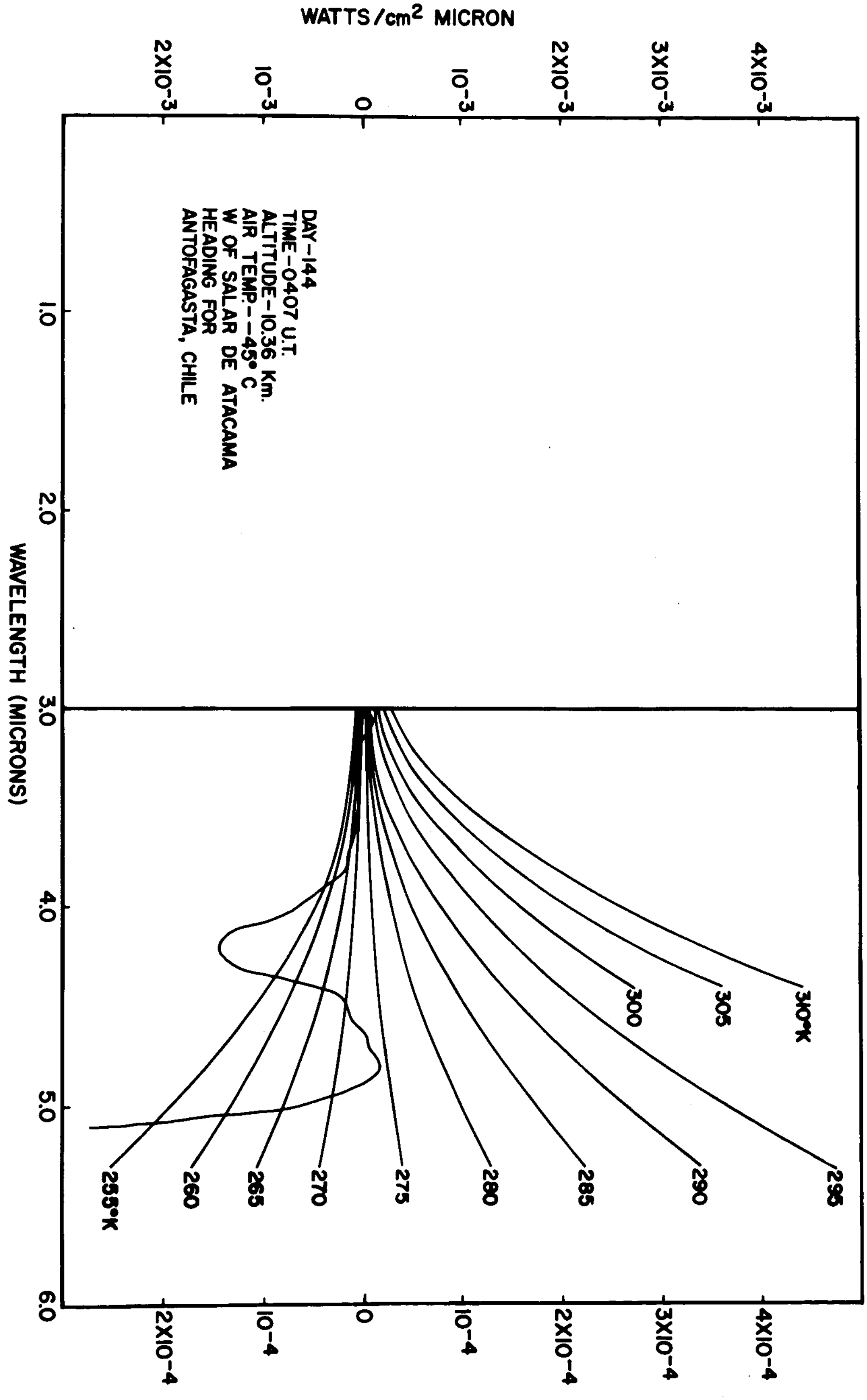
WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0404 UT
ALTITUDE-10.36 Km
AIR TEMP - -45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

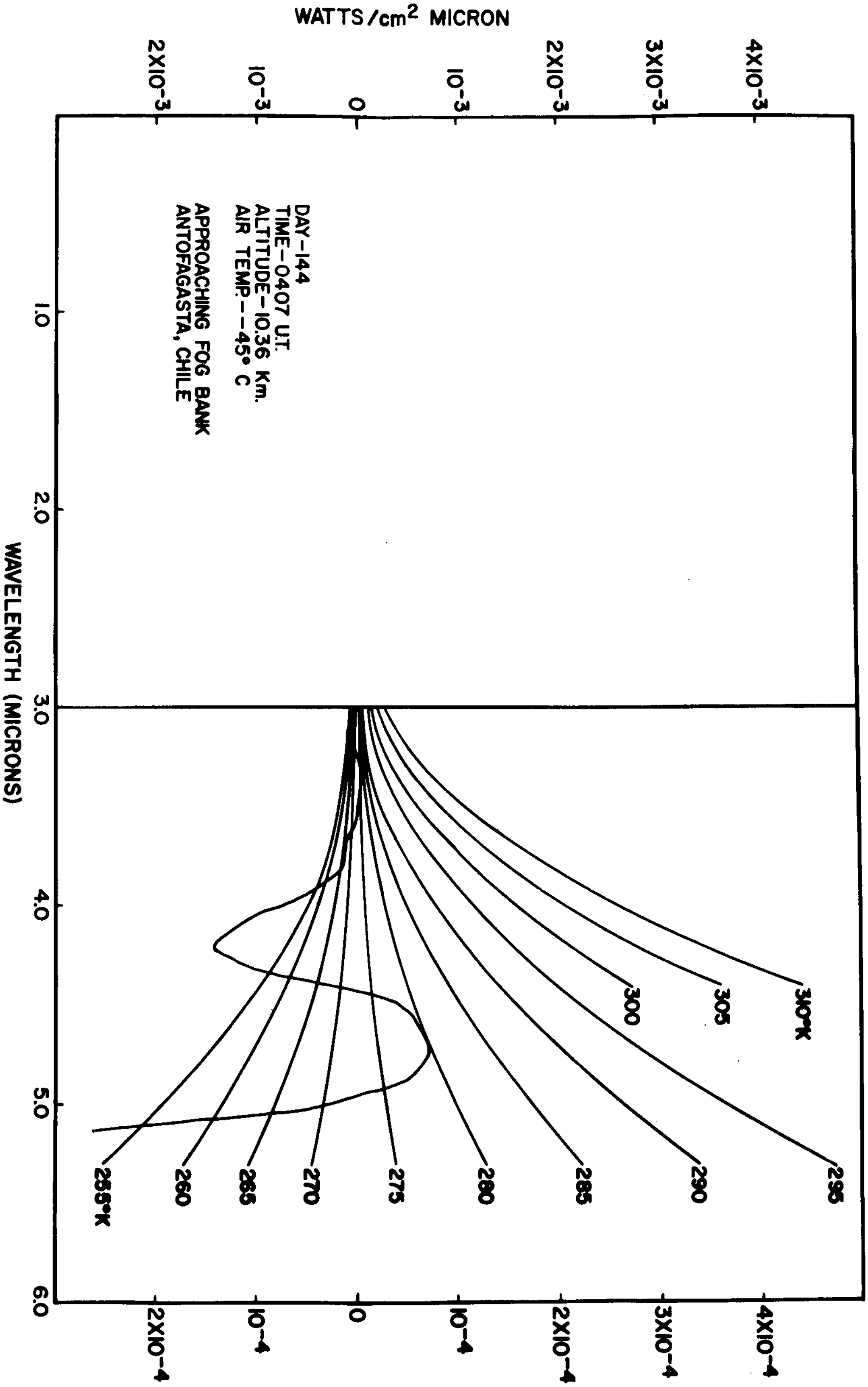

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
WAVELENGTH (MICRONS)
1.0
2.0
3.0
4.0
5.0
6.0
DAY-144
TIME-0405 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K

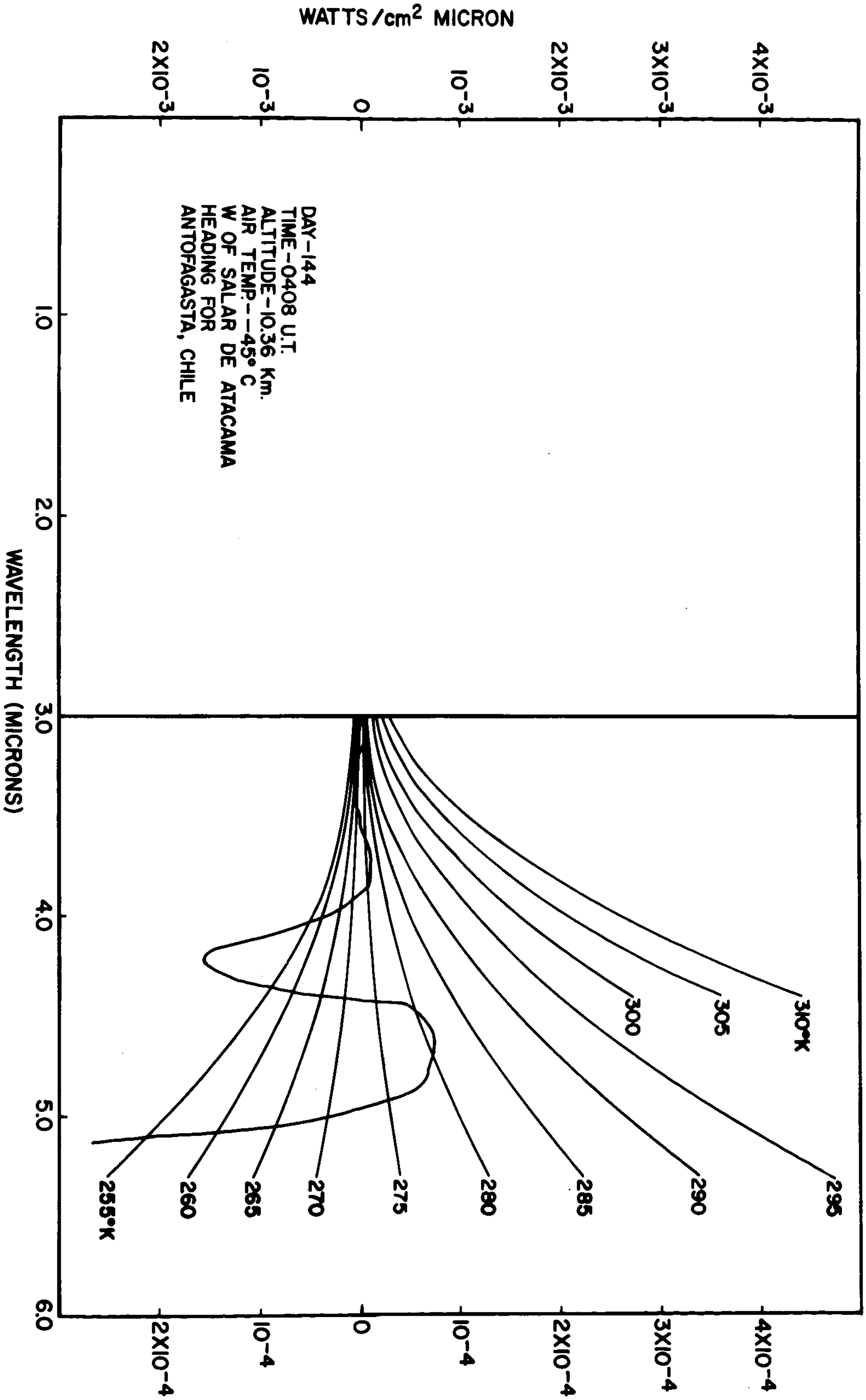

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0405 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

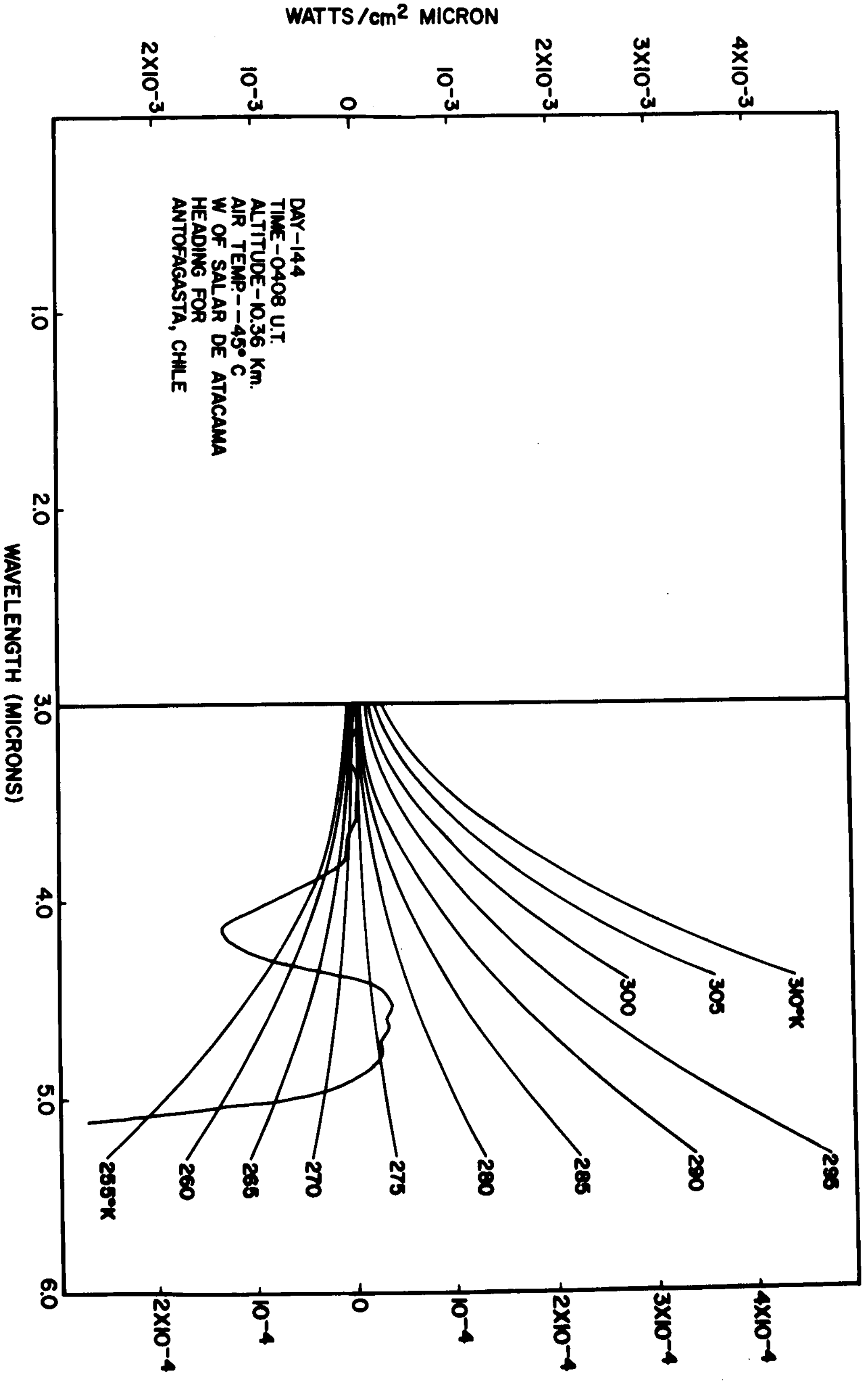

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0406 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

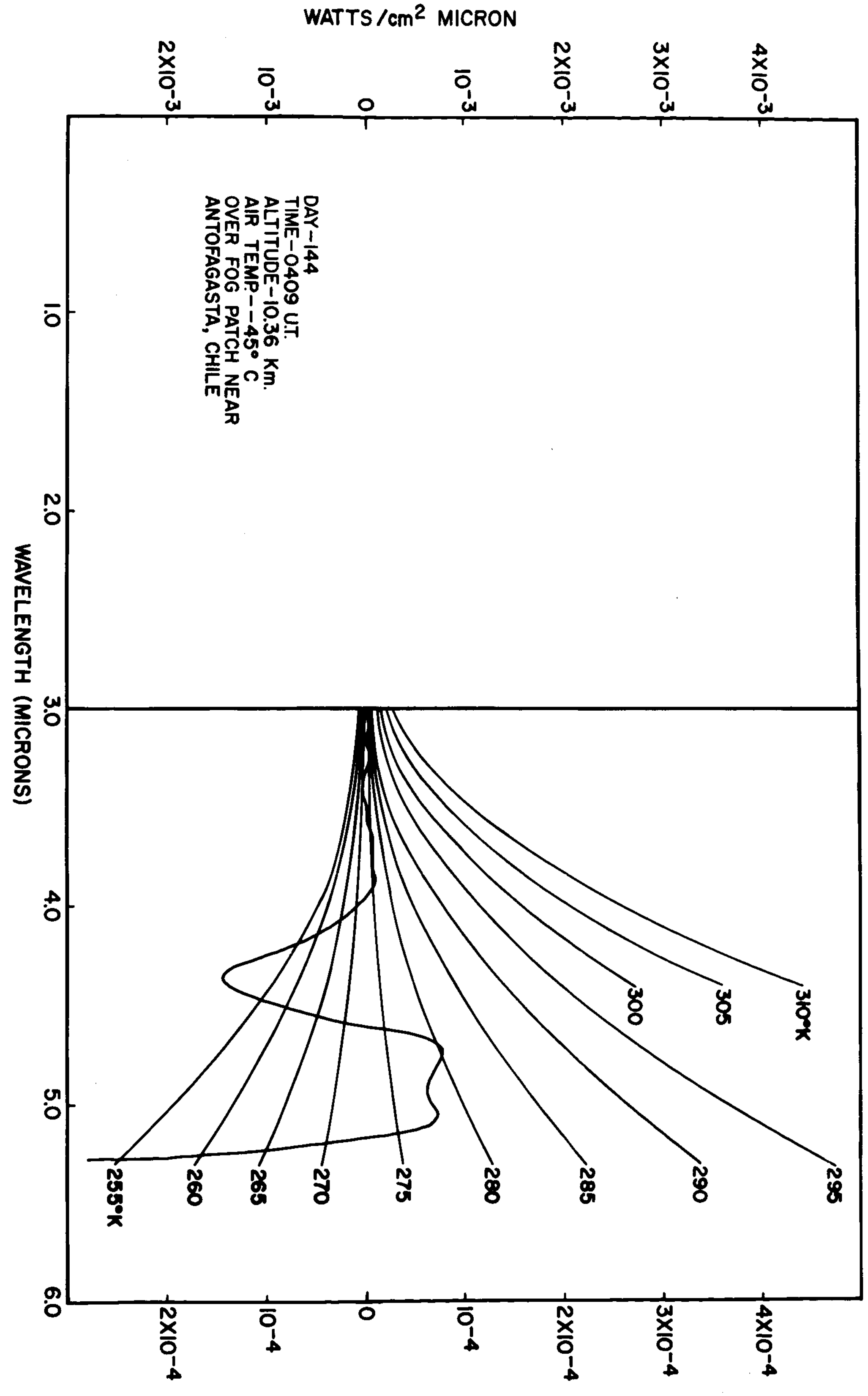

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0406 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0407 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

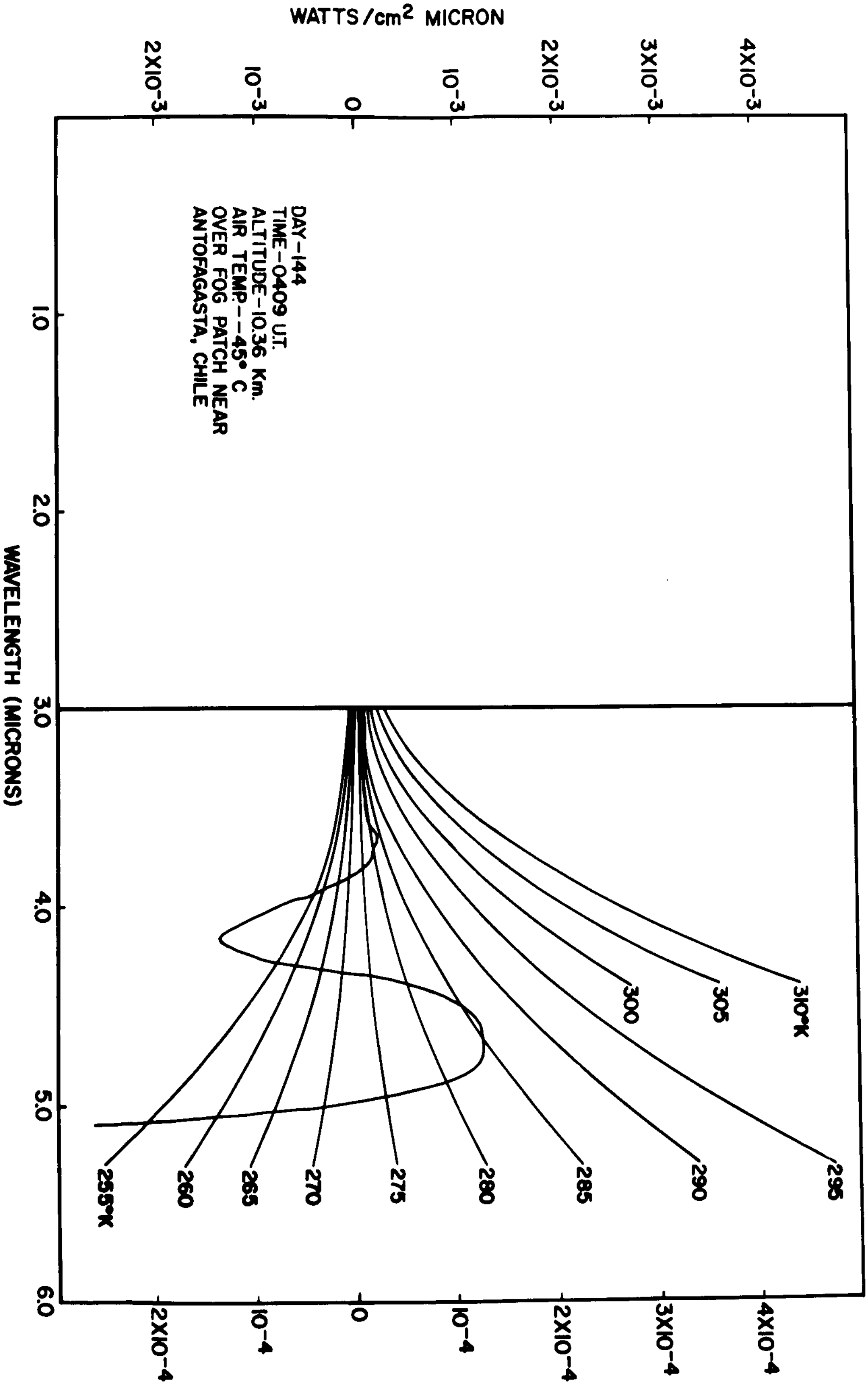

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0407 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
APPROACHING FOG BANK
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

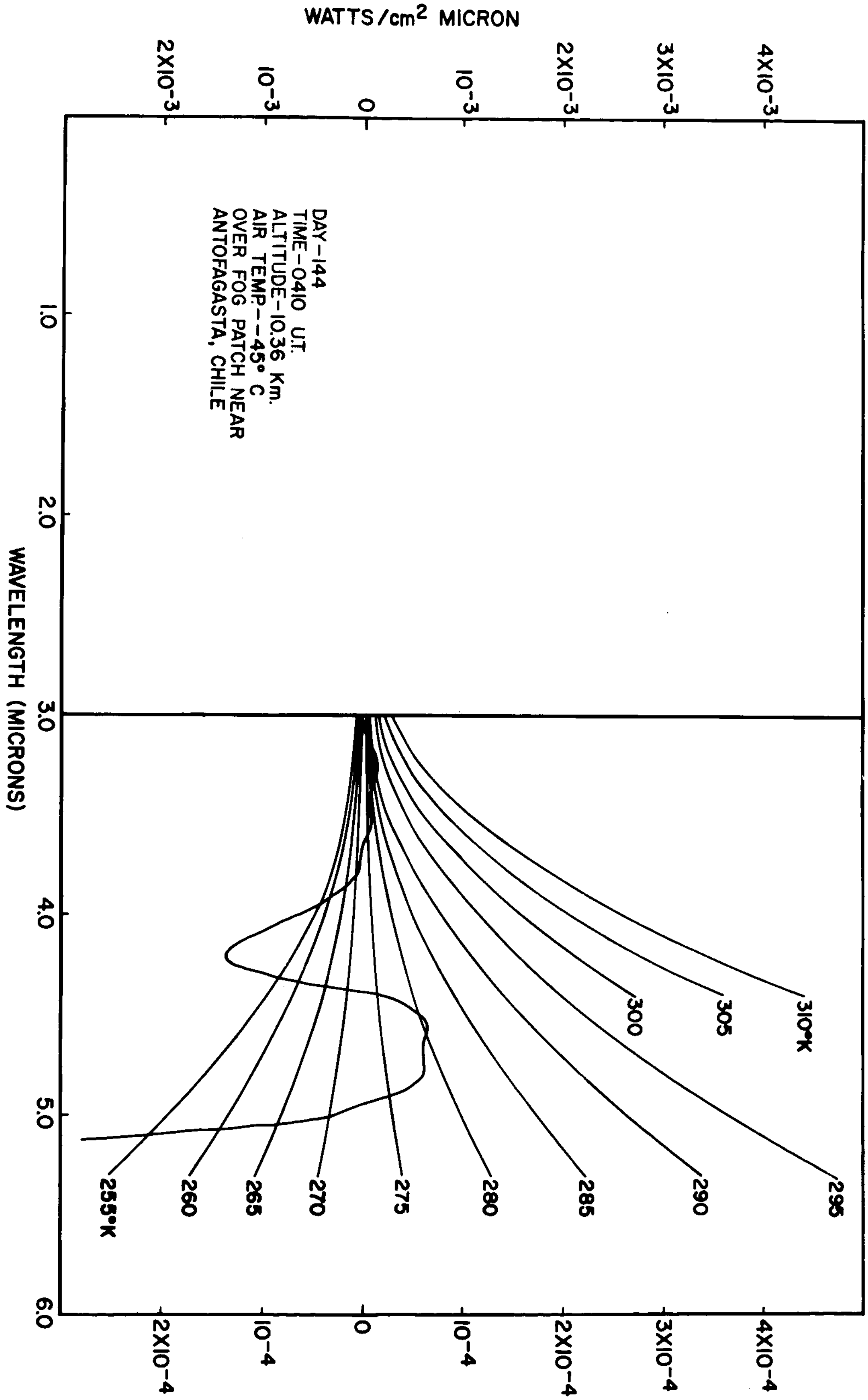

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0408 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

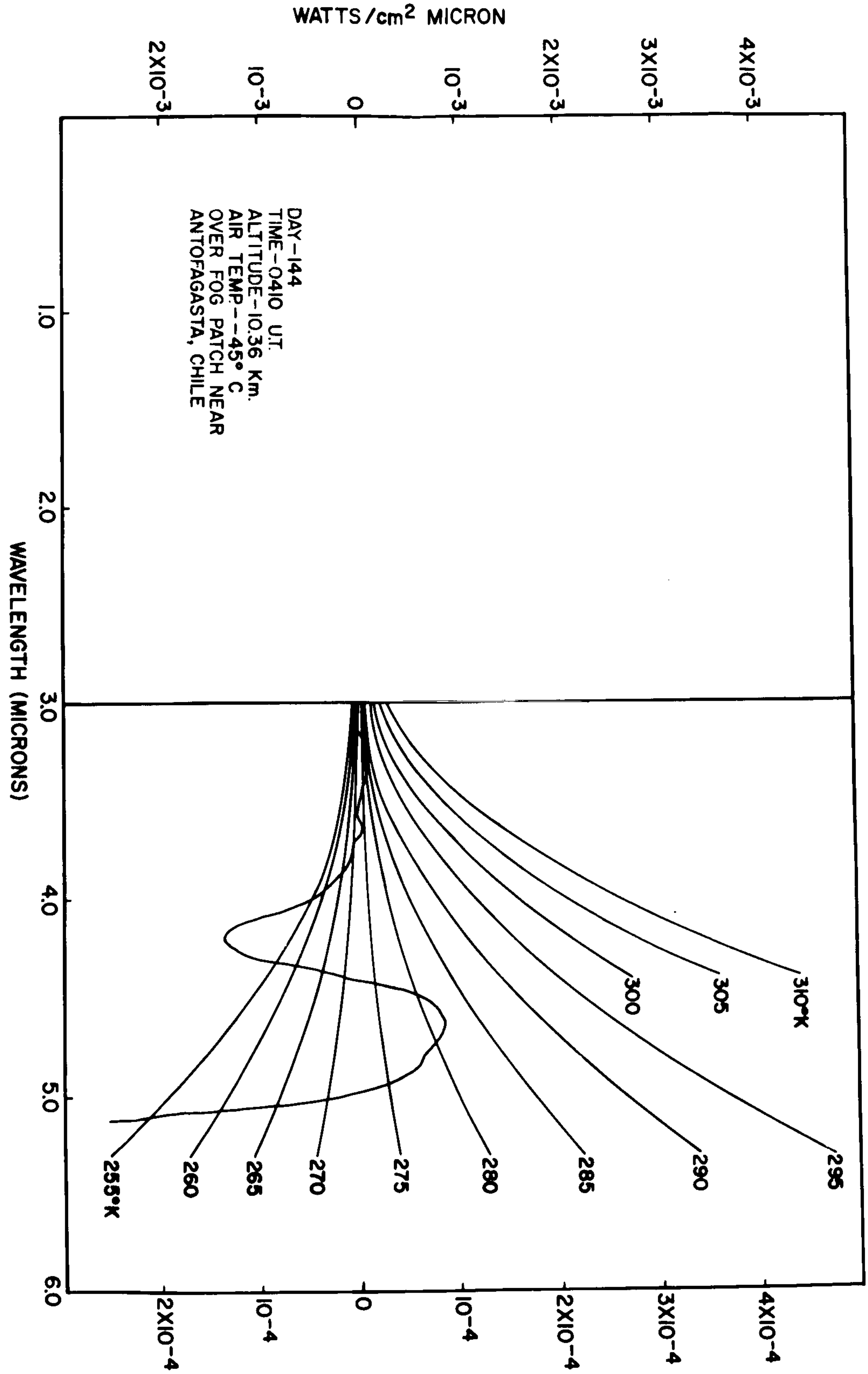

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-144
TIME-0408 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
W OF SALAR DE ATACAMA
HEADING FOR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}

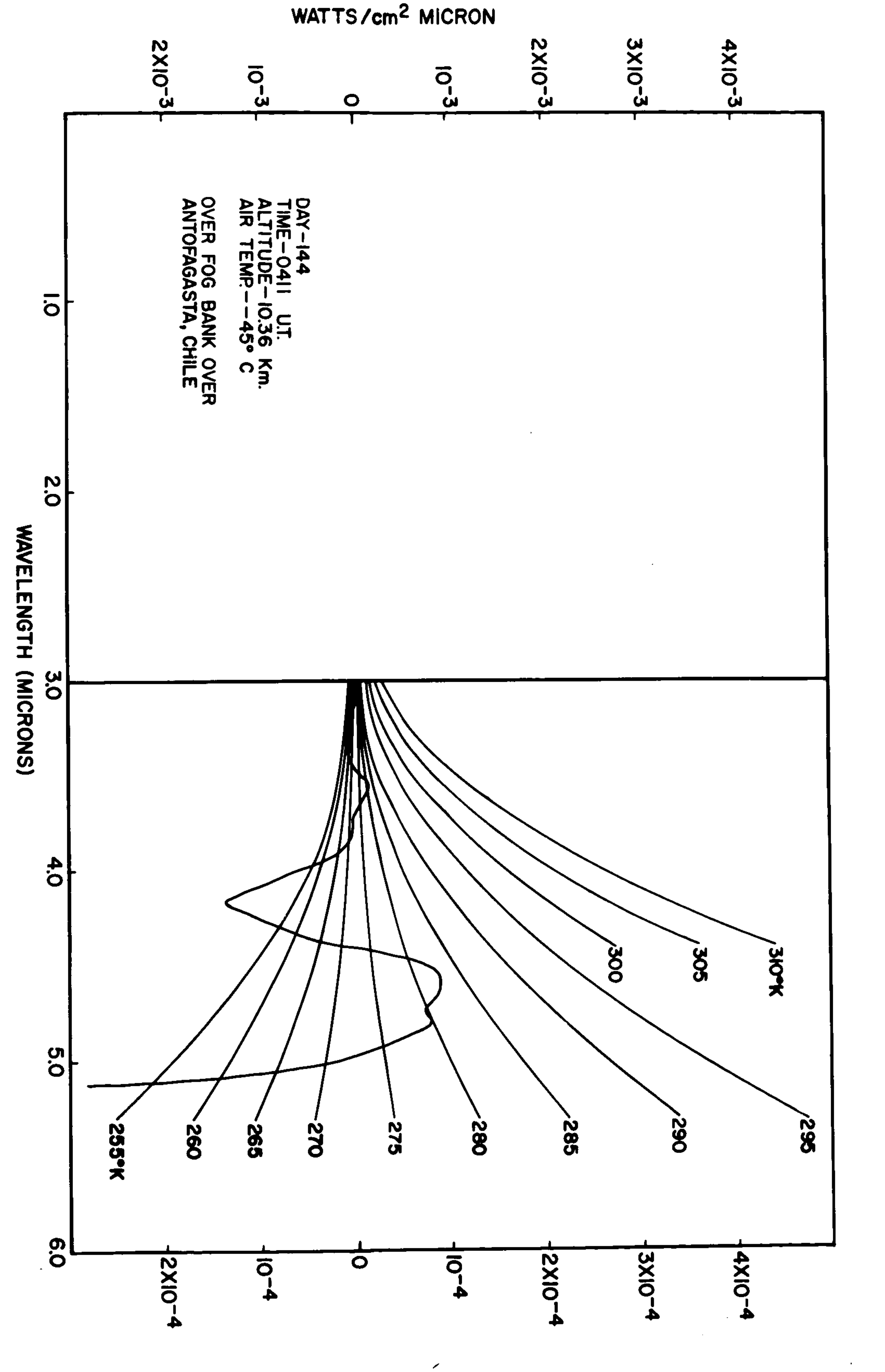


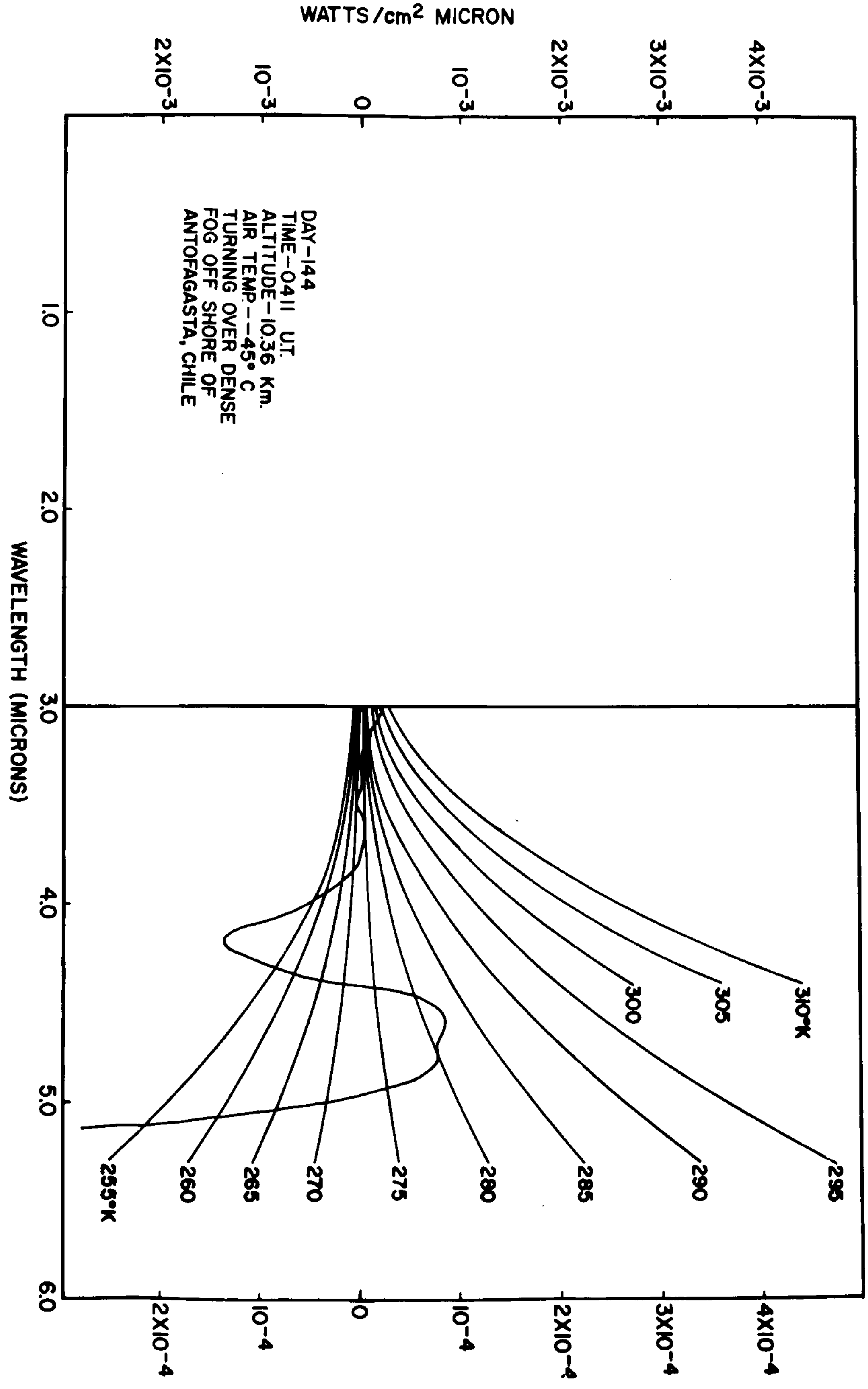
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0409 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--45° C
OVER FOG PATCH NEAR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0409 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
OVER FOG PATCH NEAR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

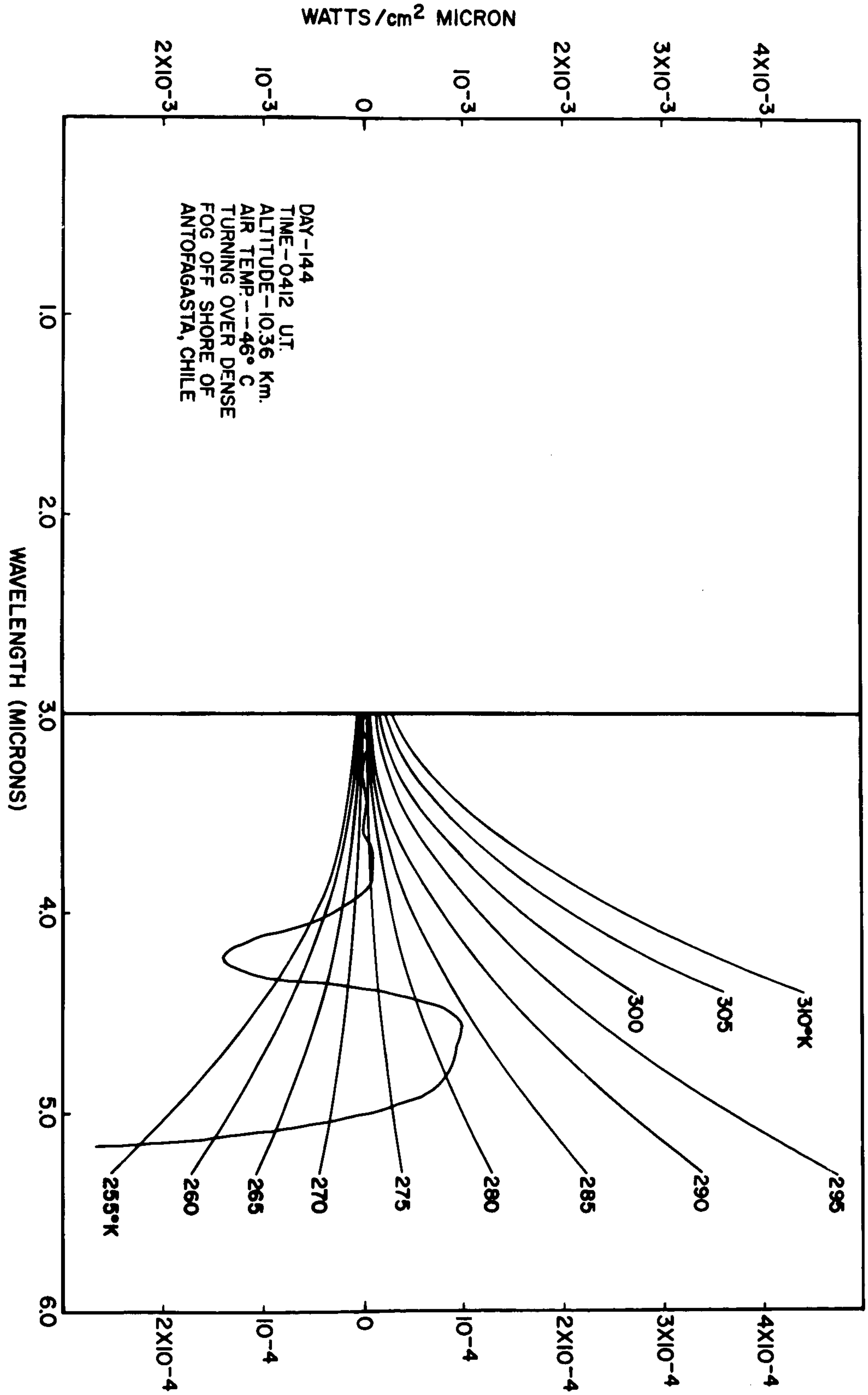

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0410 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--45° C
OVER FOG PATCH NEAR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

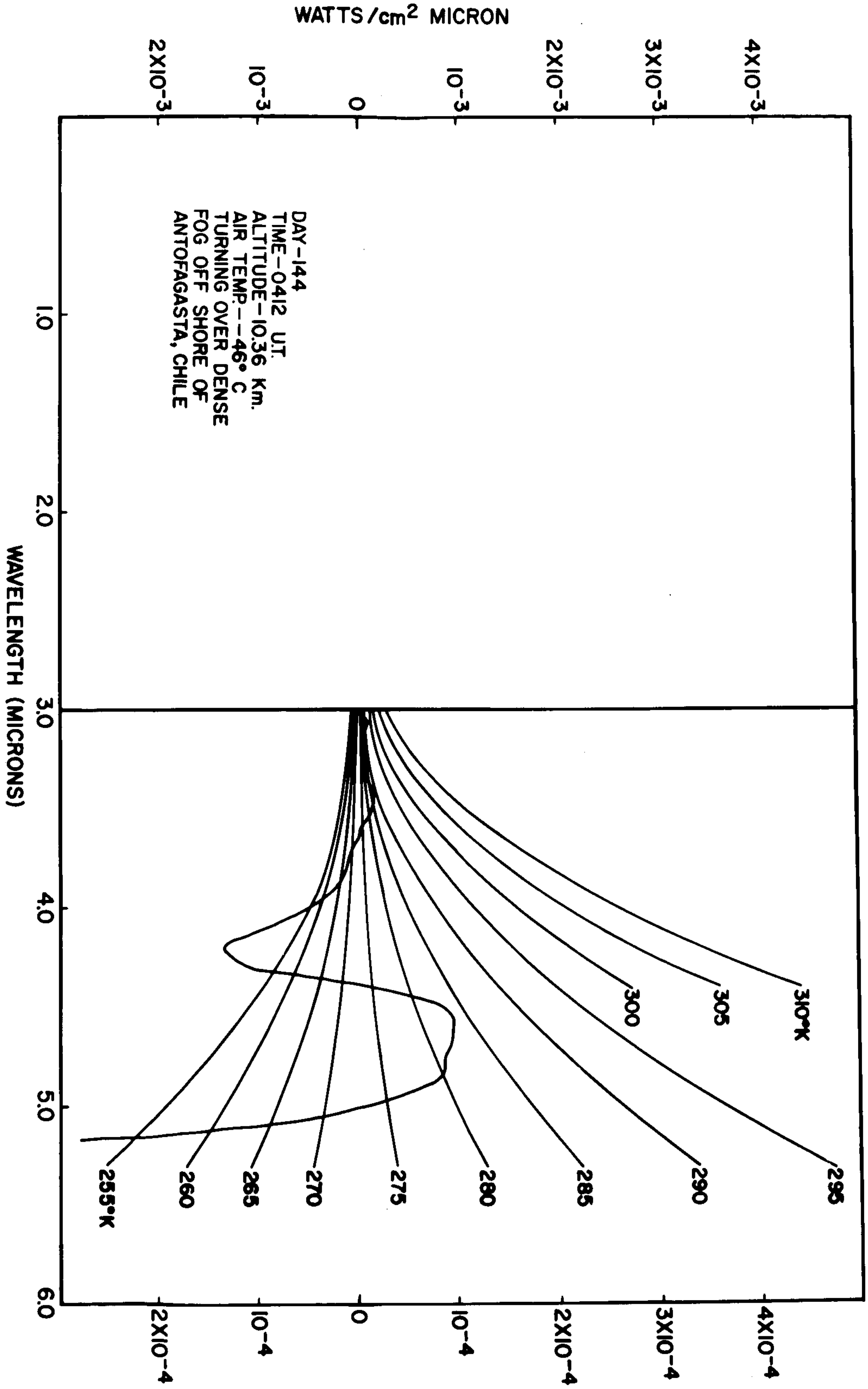

WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0410 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
OVER FOG PATCH NEAR
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0411 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -45° C
OVER FOG BANK OVER
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

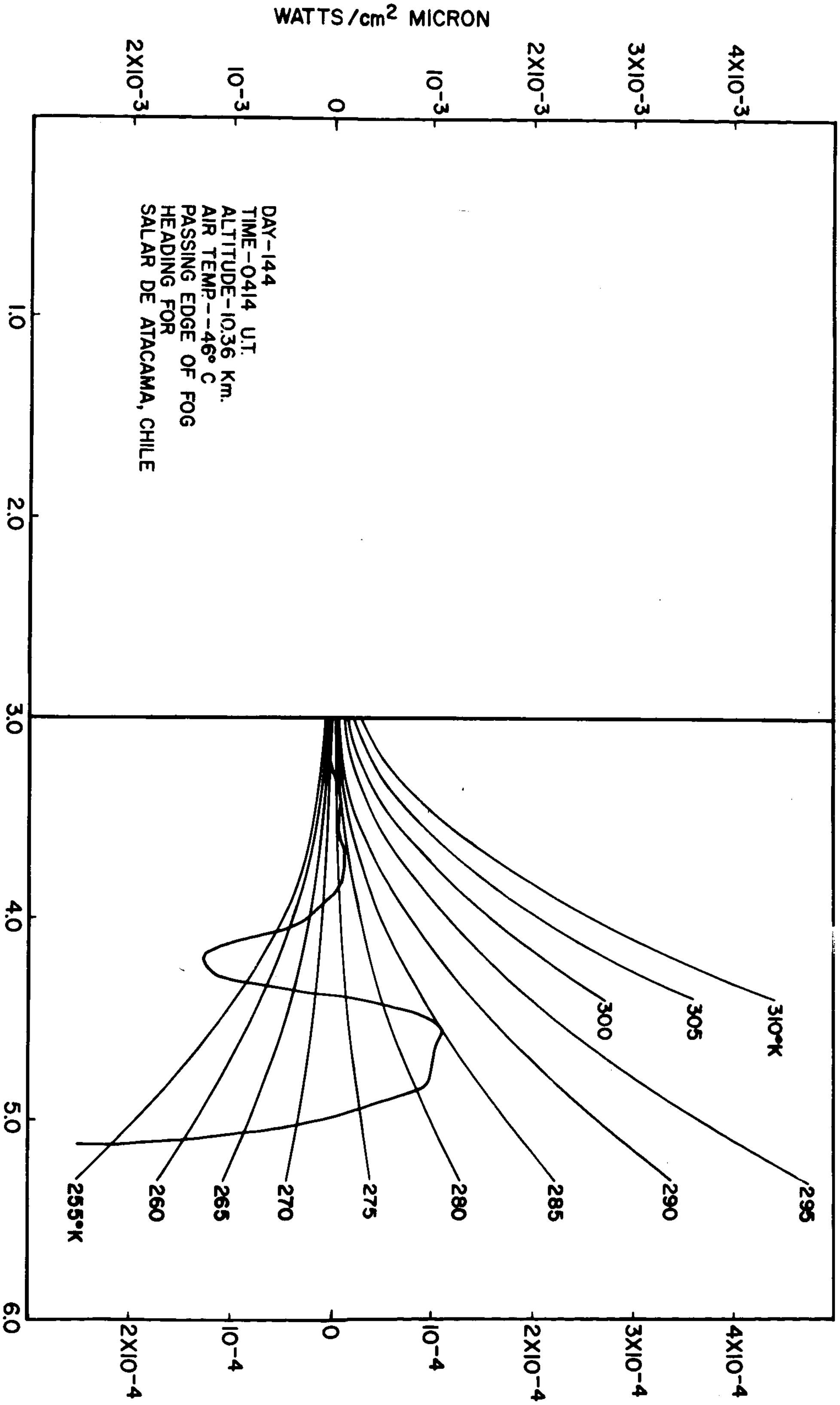


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0411 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--45° C
TURNING OVER DENSE
FOG OFF SHORE OF
ANTOFAGASTA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

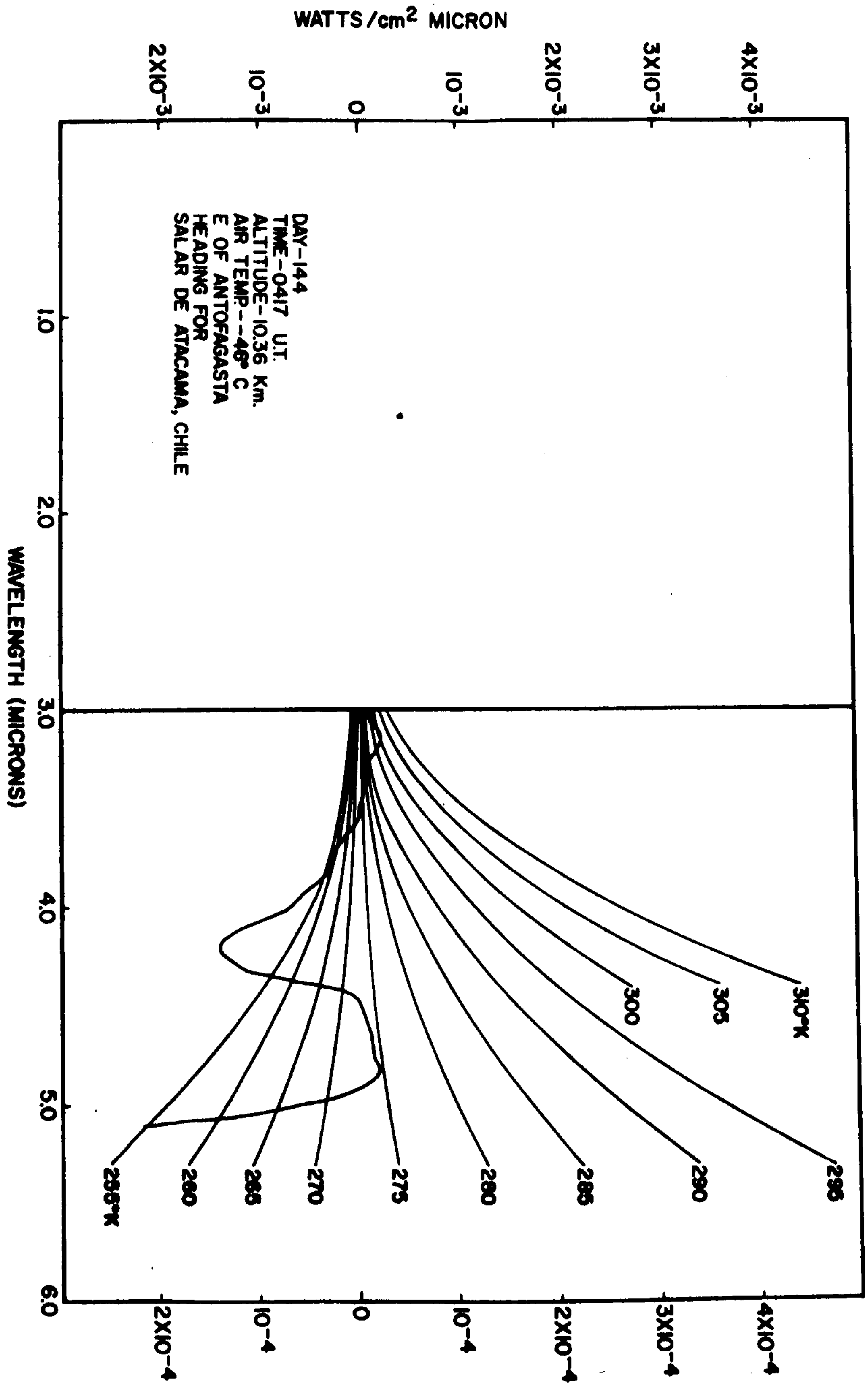

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0412 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--46° C
TURNING OVER DENSE
FOG OFF SHORE OF
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

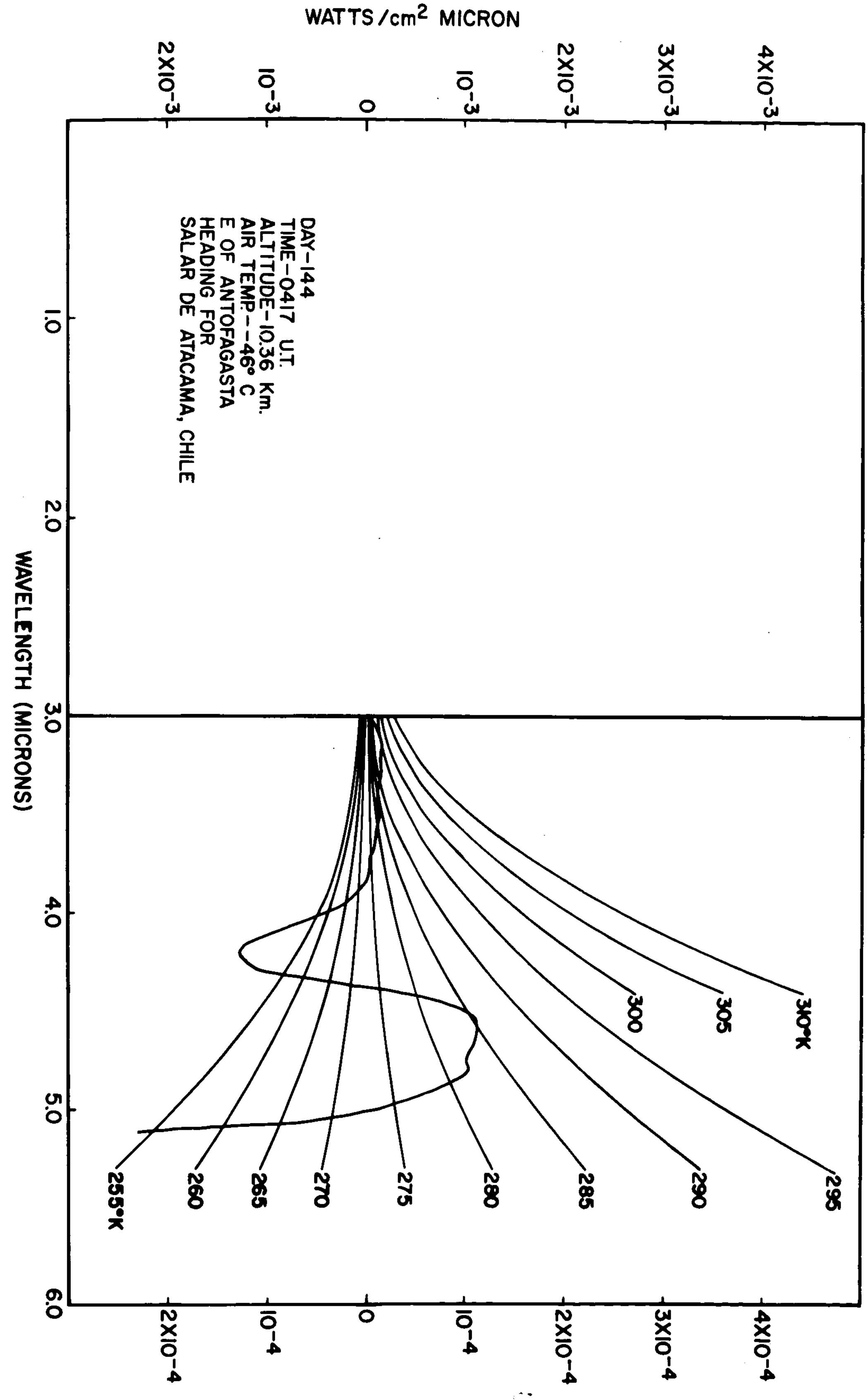


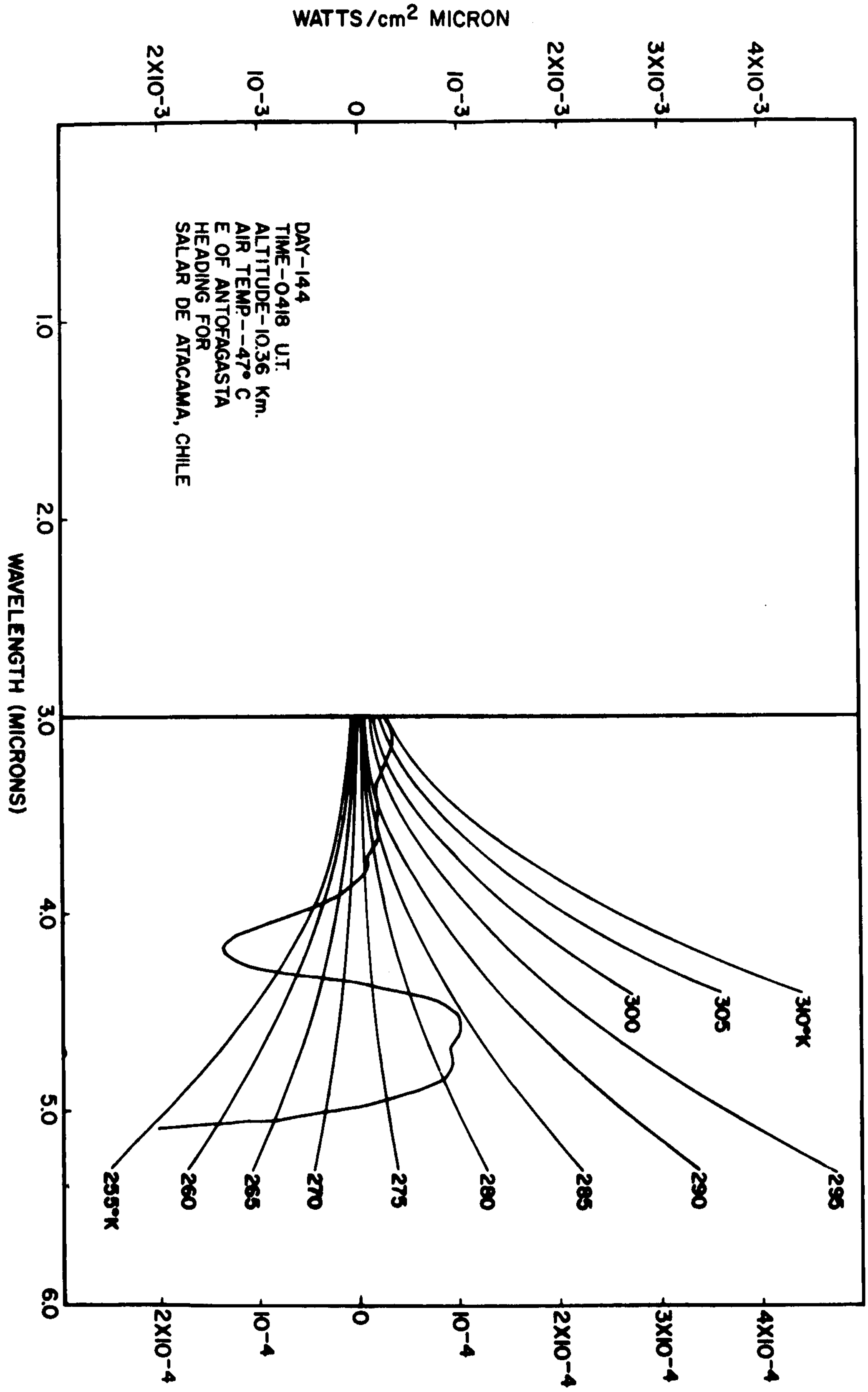
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0412 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--46° C
TURNING OVER DENSE
FOG OFF SHORE OF
ANTOFAGASTA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

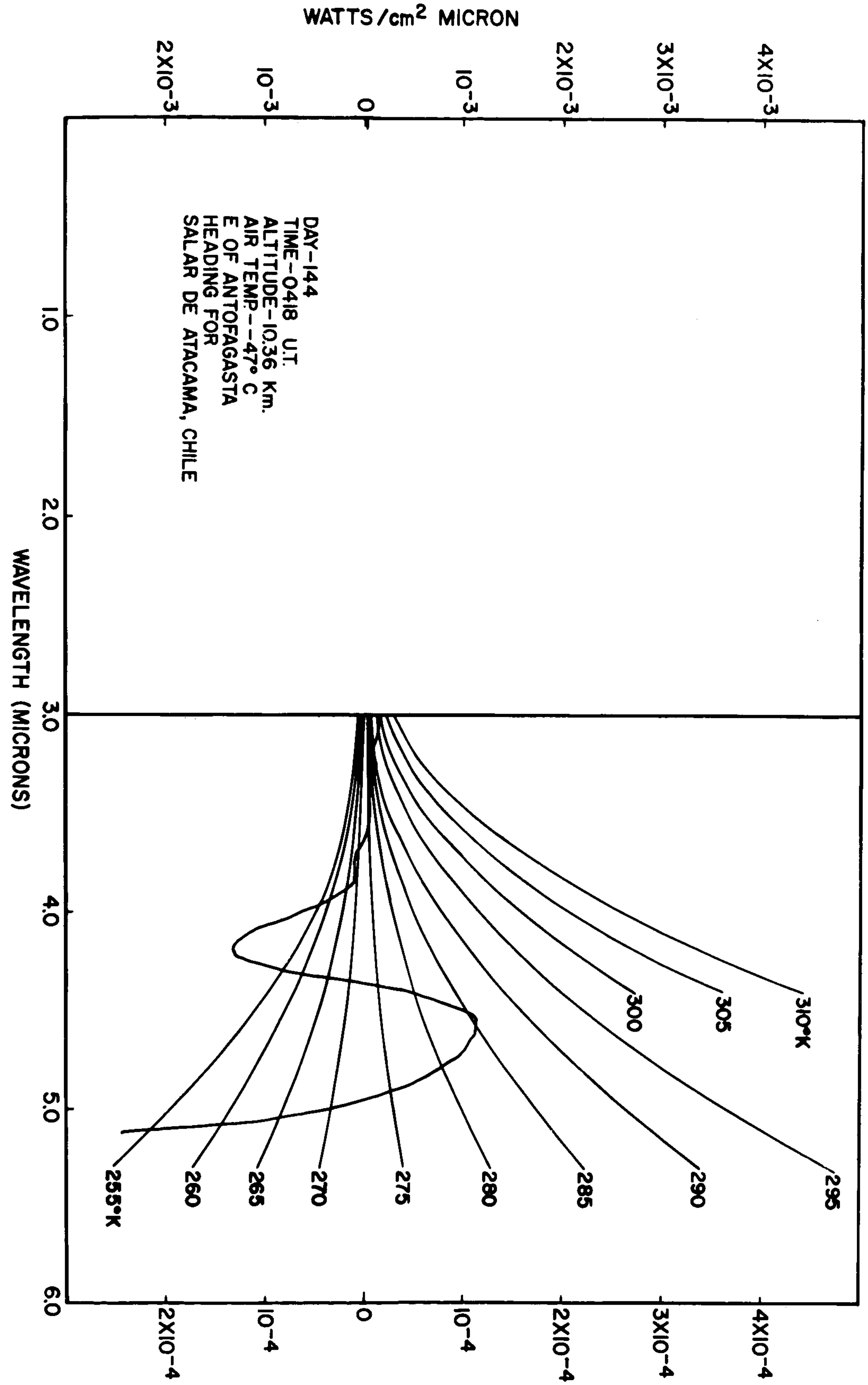


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0414 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--46° C
PASSING EDGE OF FOG
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

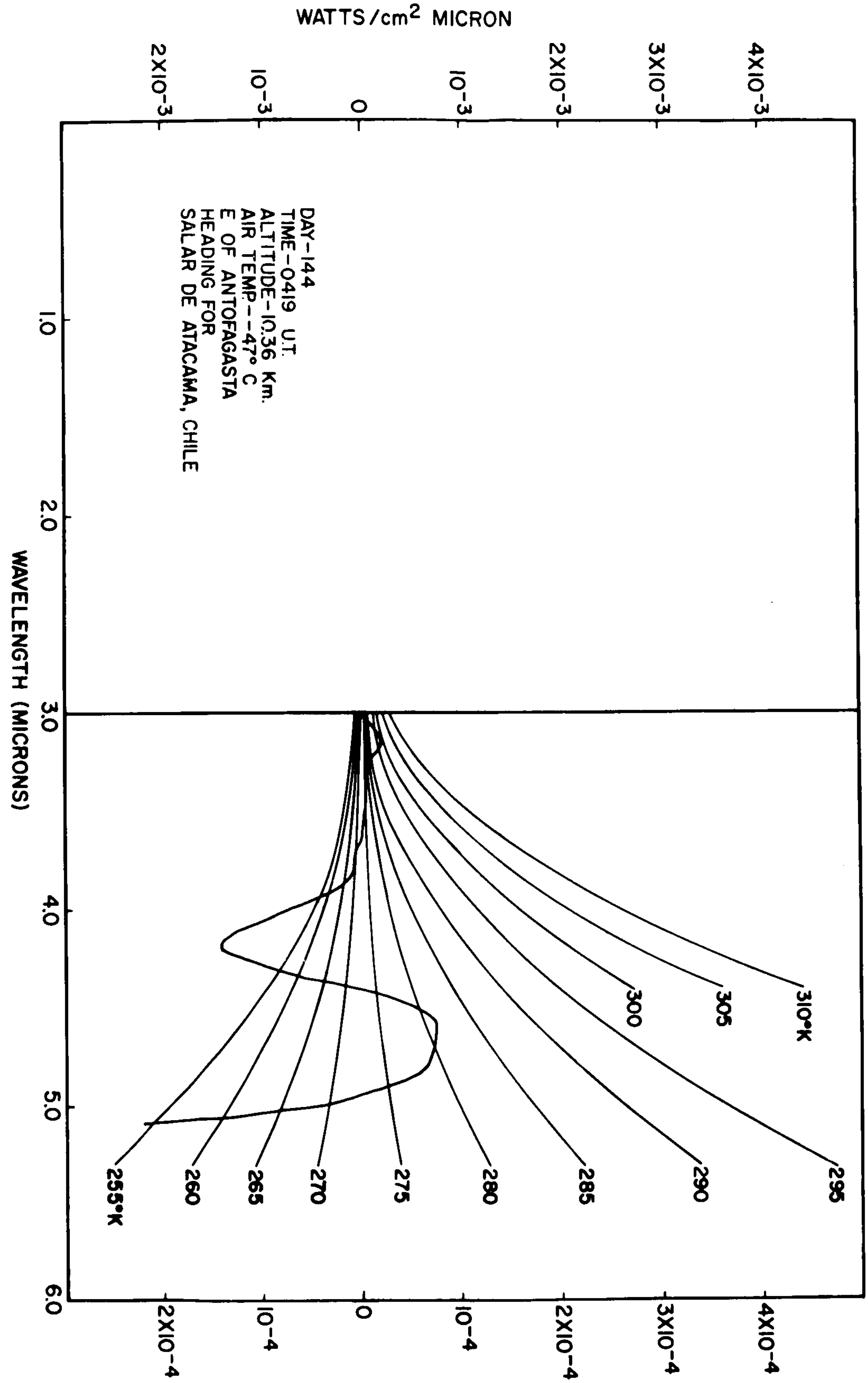

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0417 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--46° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

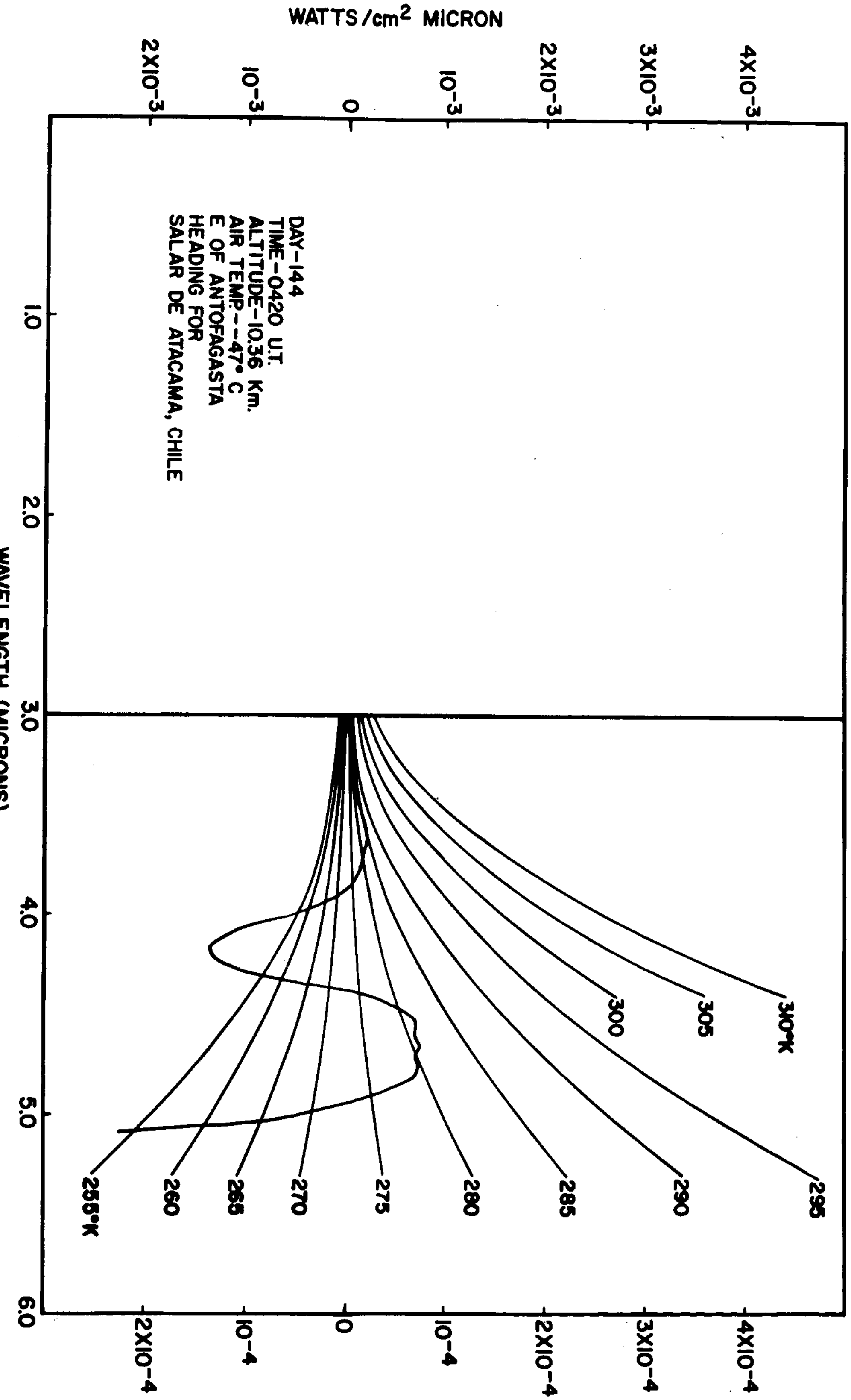

WATTS/cm2 MICRON
DAY-144
TIME-0417 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--46° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
WAVELENGTH (MICRONS)
1.0
2.0
3.0
4.0
5.0
6.0
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
310°K
305
300
295
290
285
280
275
270
265
260
255°K

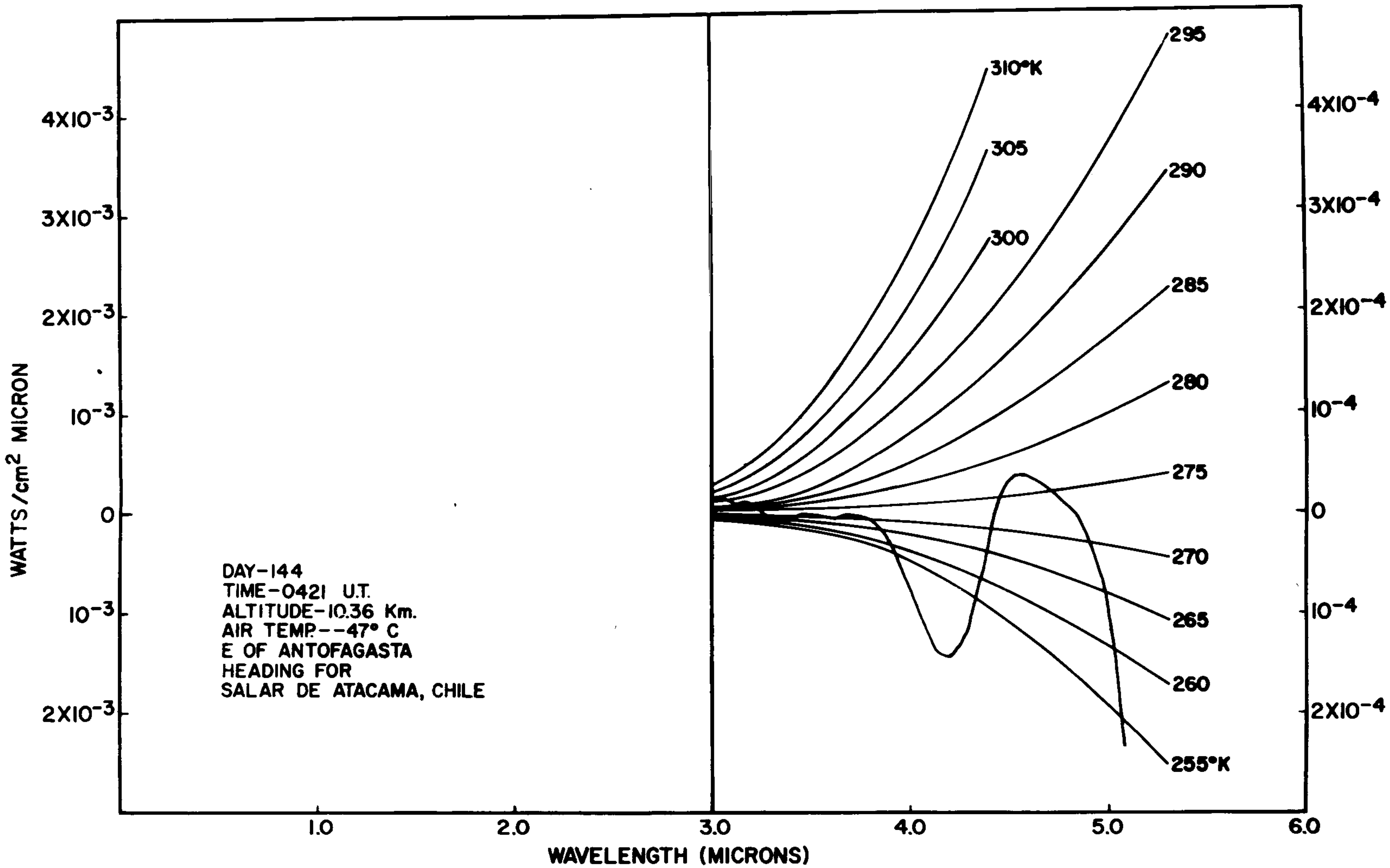

WATTS/cm2 MICRON
DAY-144
TIME-0418 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K



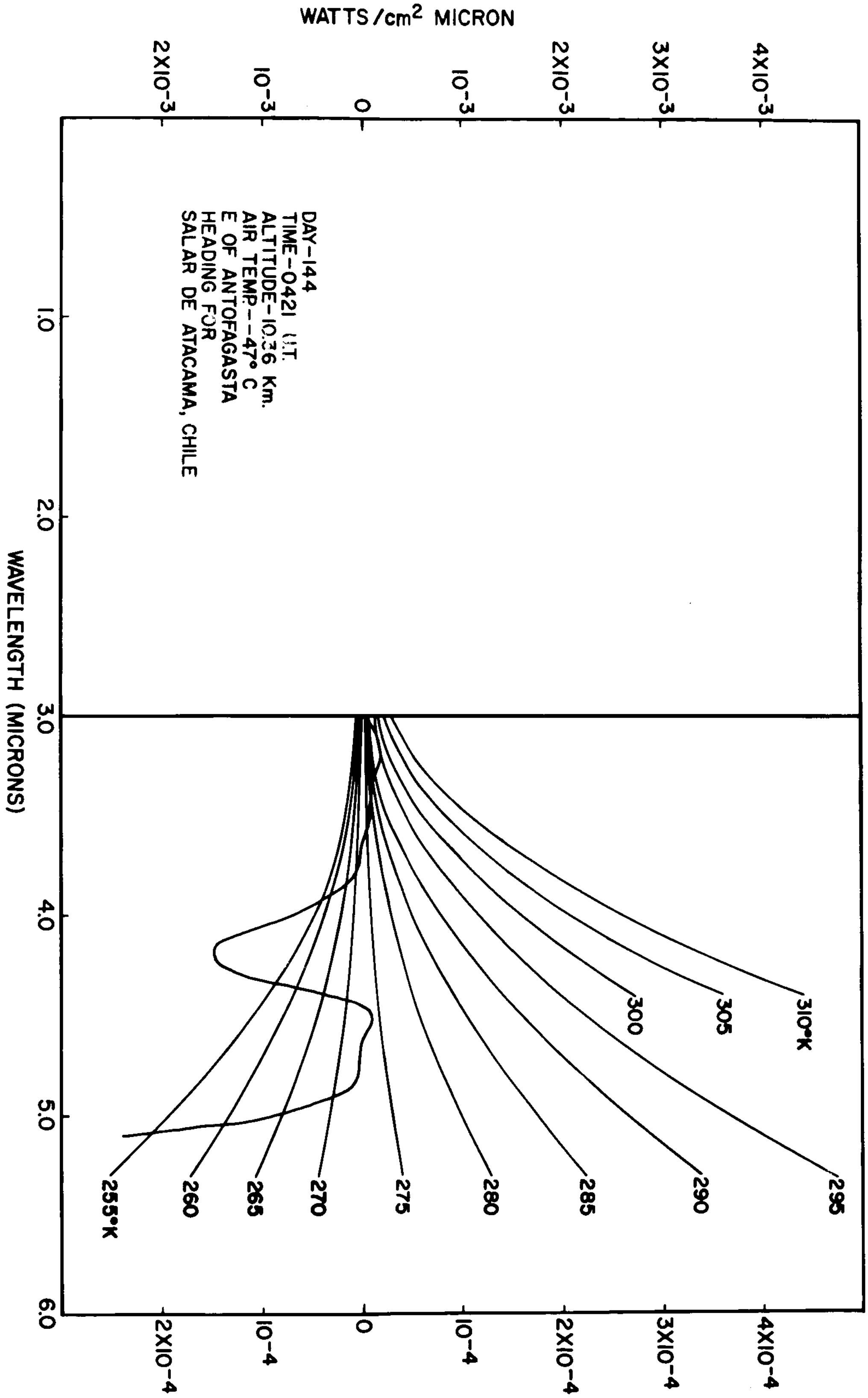
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0418 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

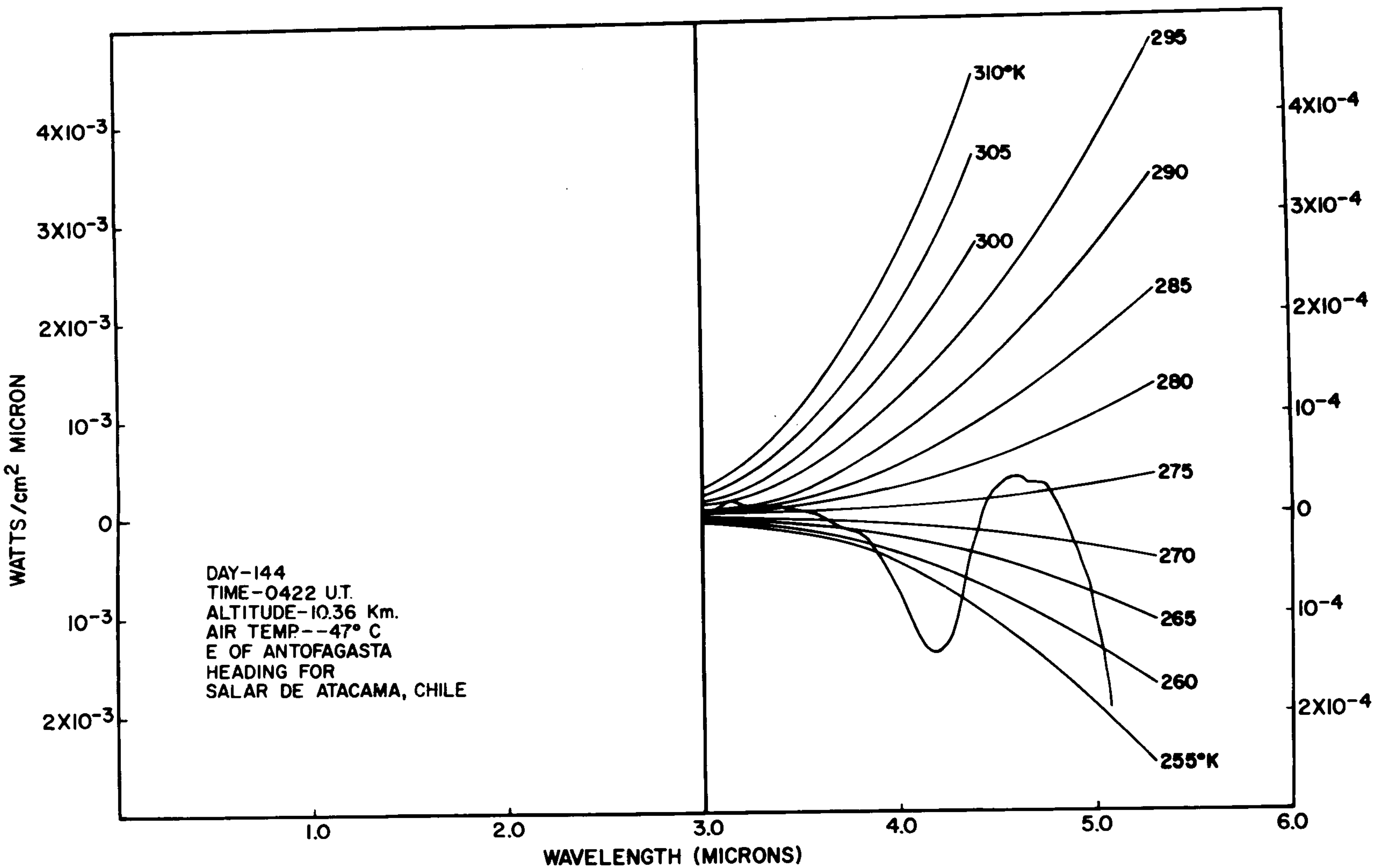

WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0419 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0420 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

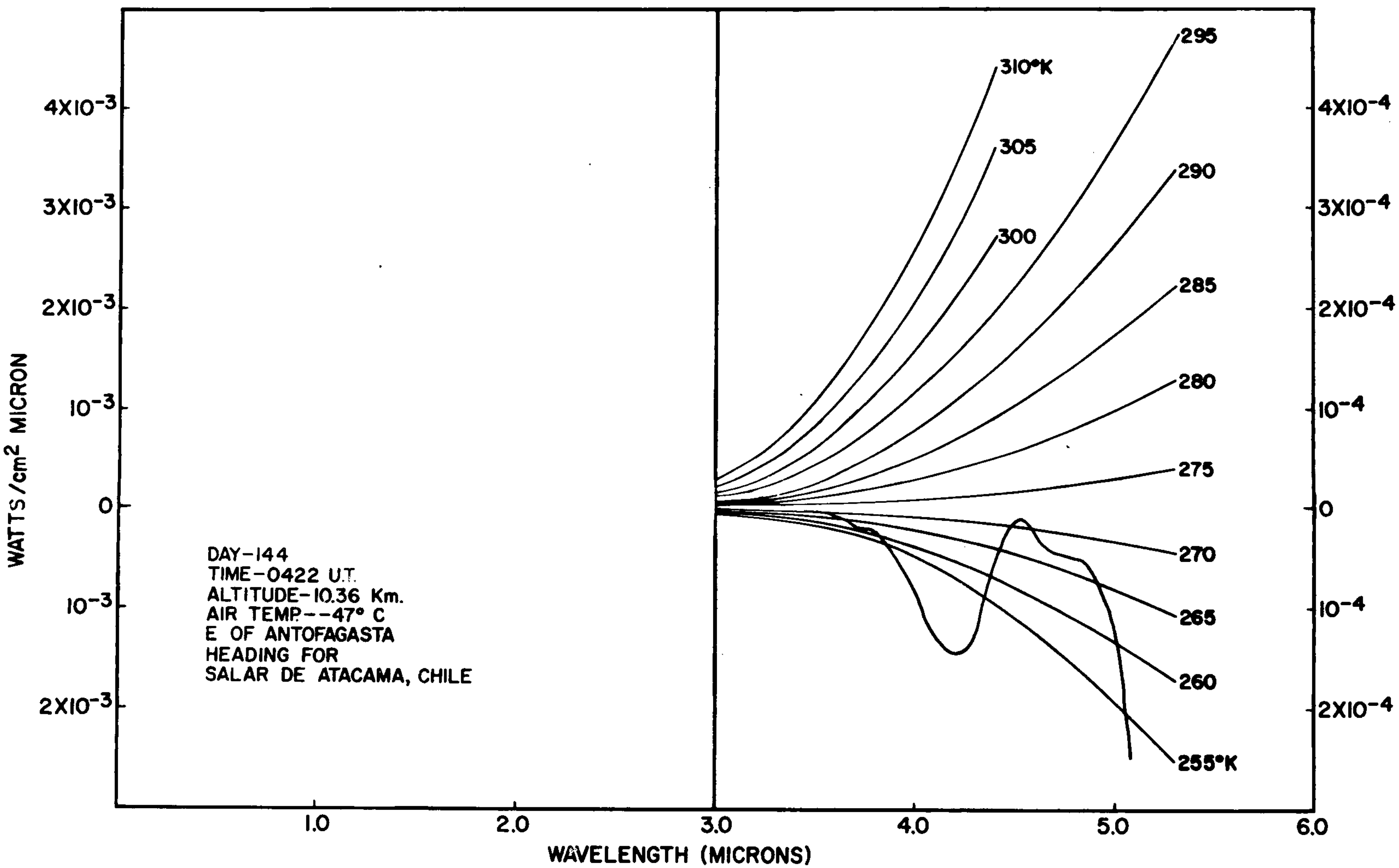


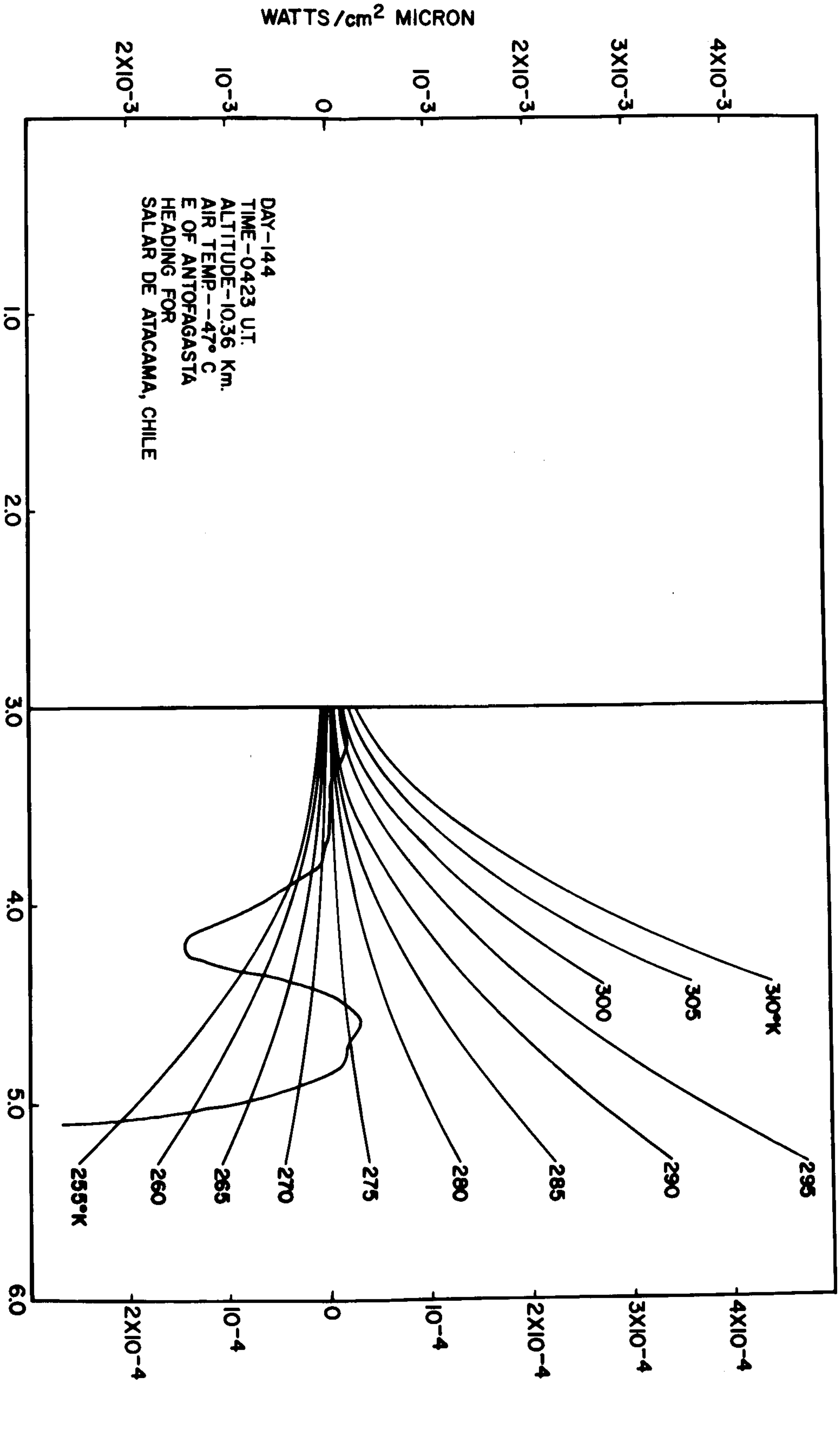
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0421 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm^2 MICRON
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
3X10^{-3}
4X10^{-3}
DAY-144
TIME-0421 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}
3X10^{-4}
4X10^{-4}

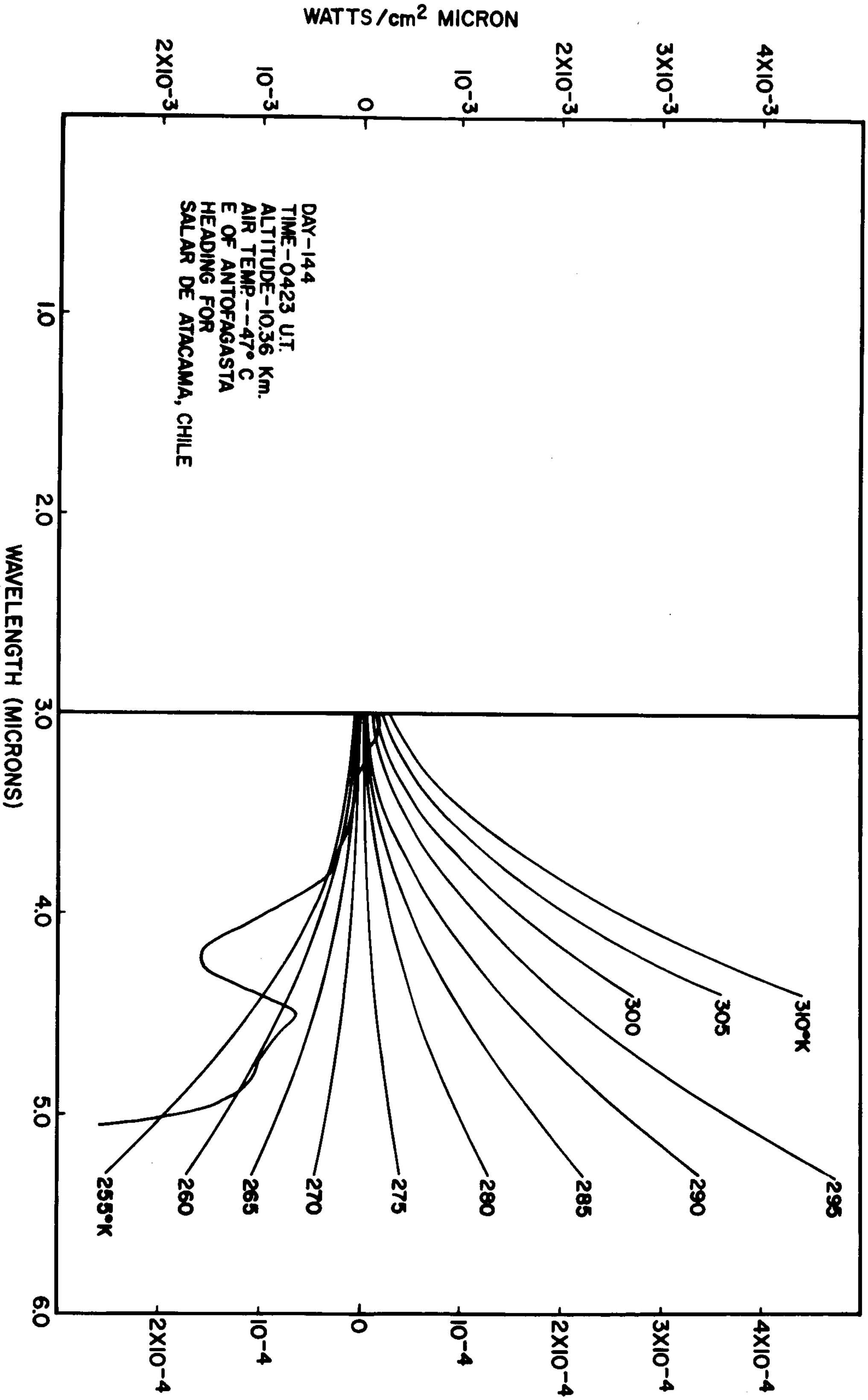


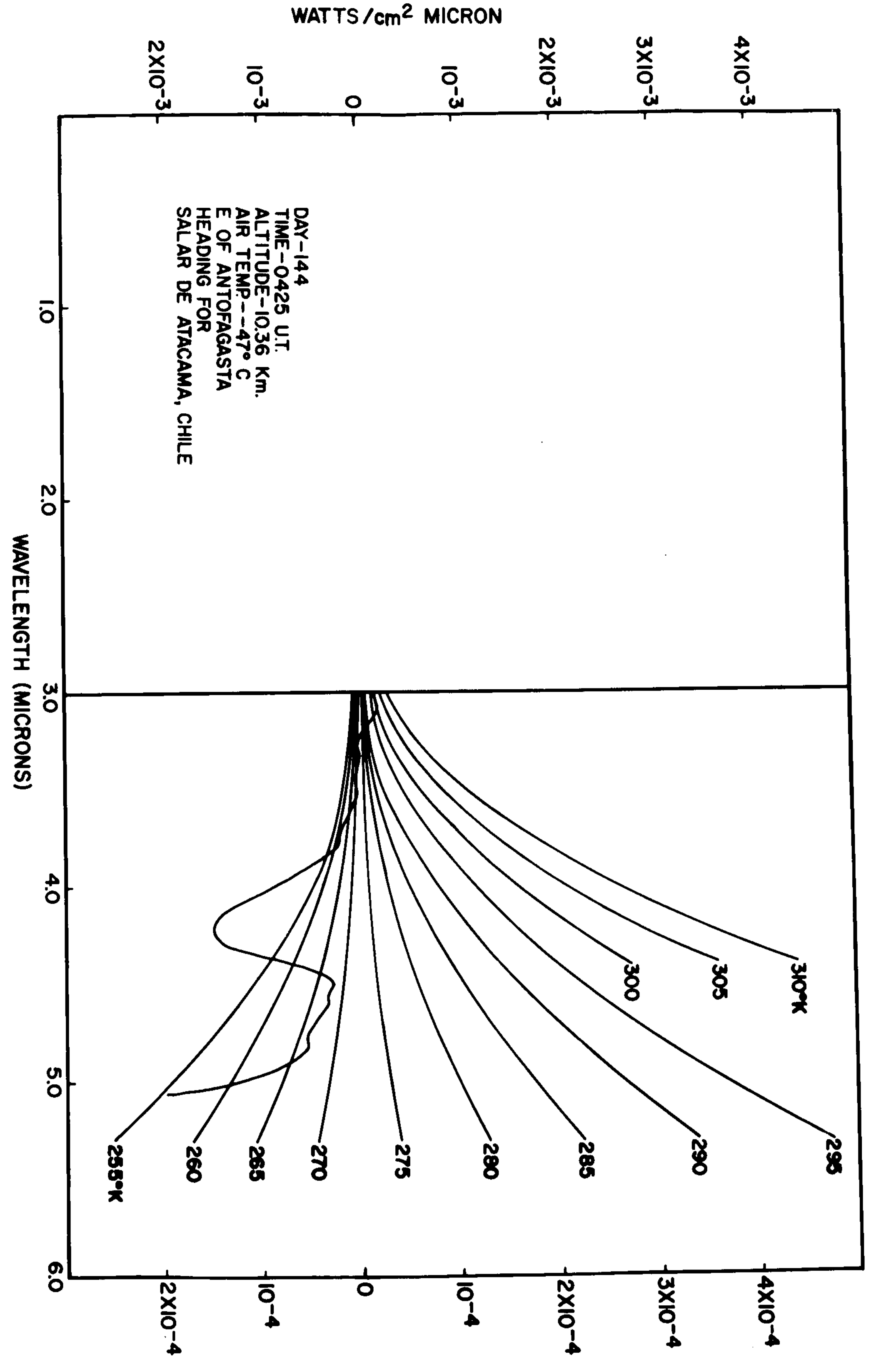
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0422 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

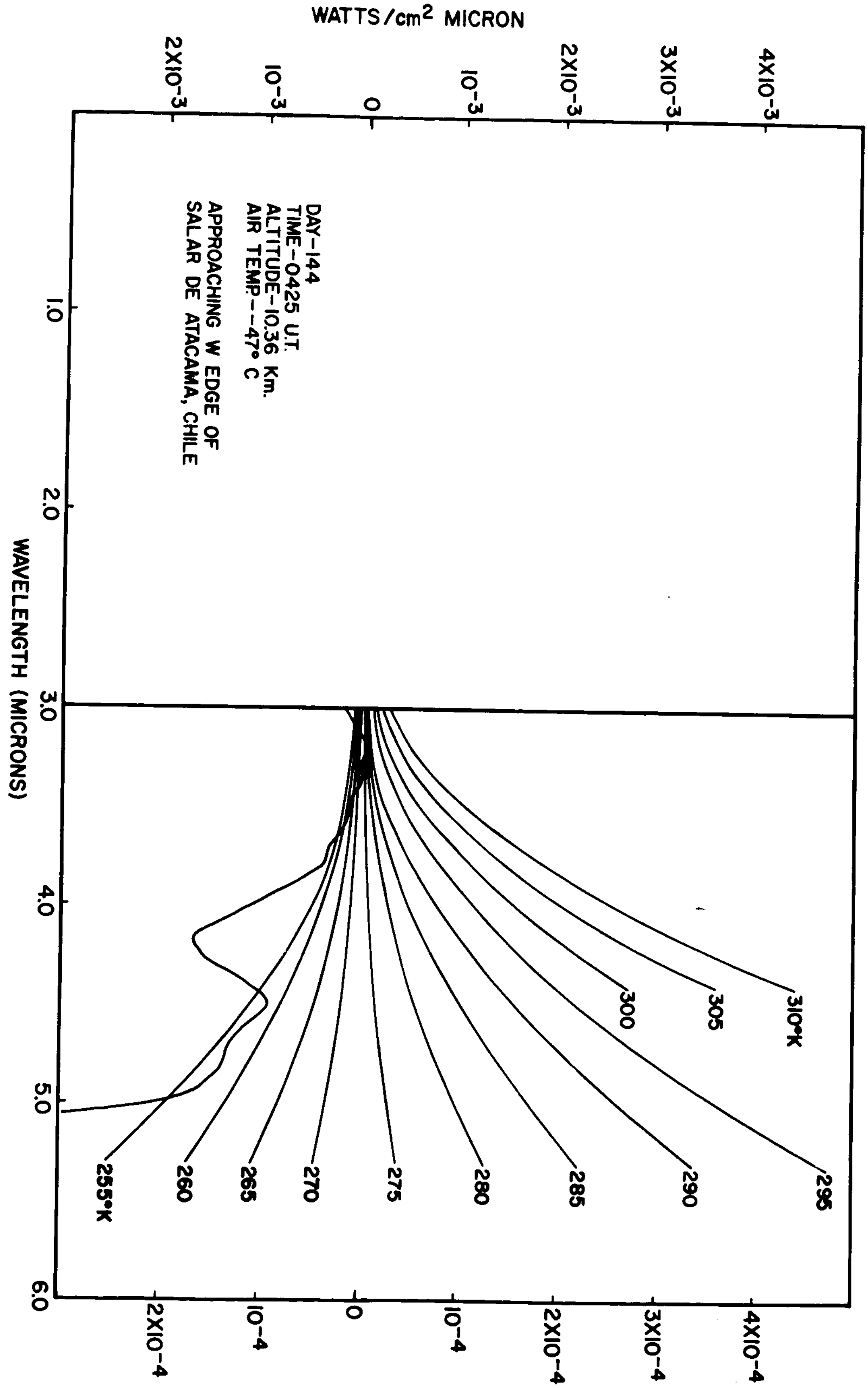

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
DAY-144
TIME-0422 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

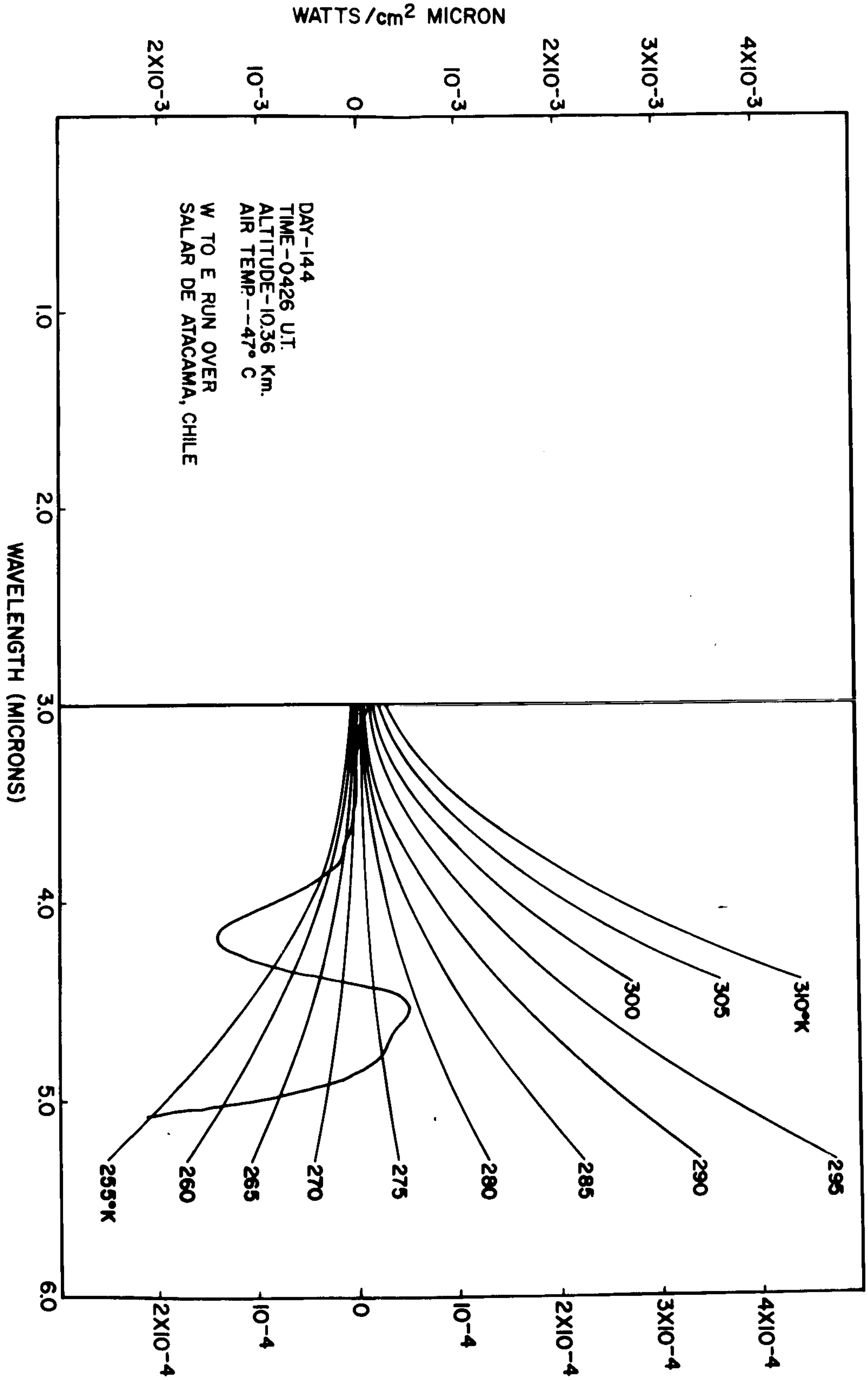


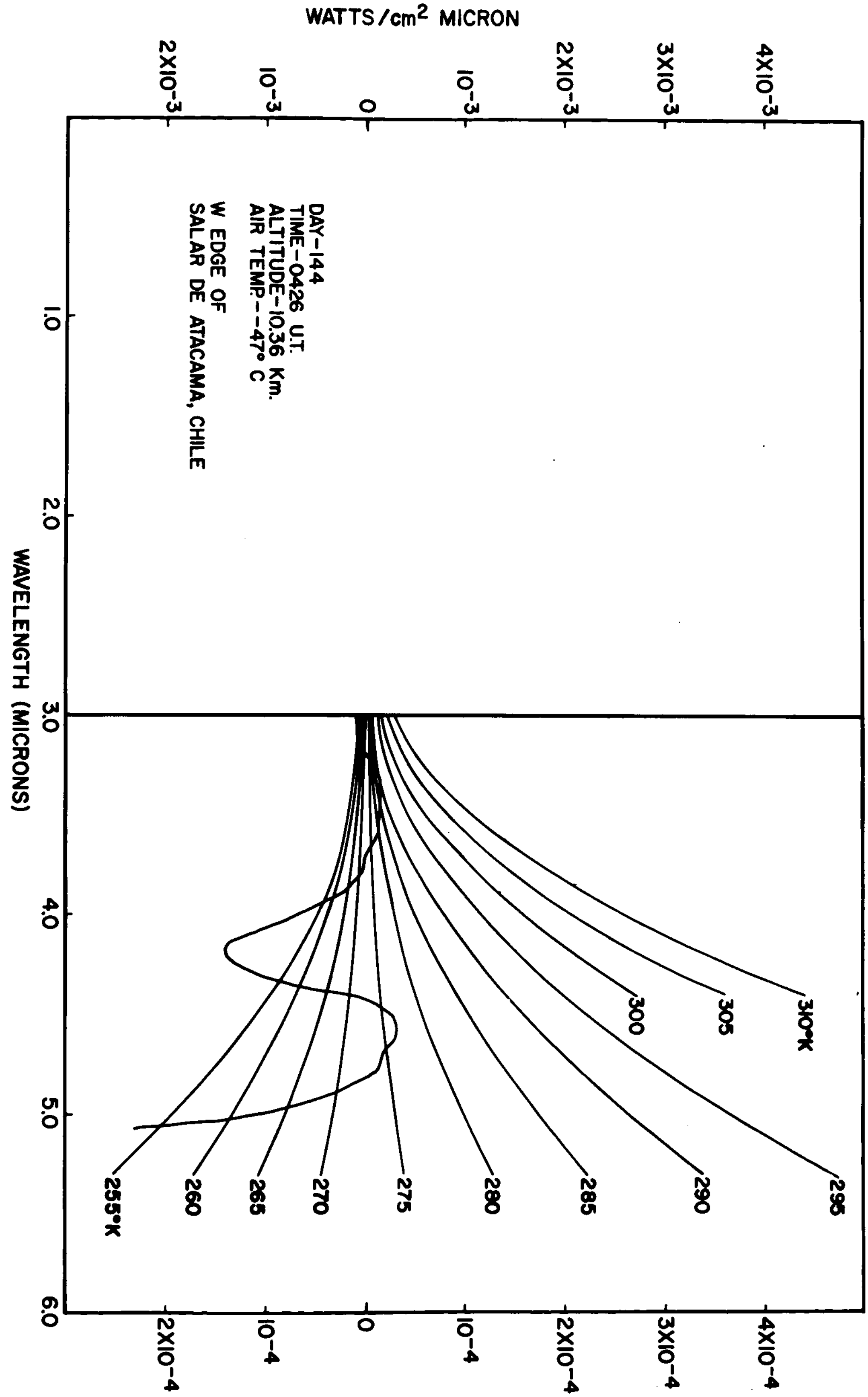
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0423 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

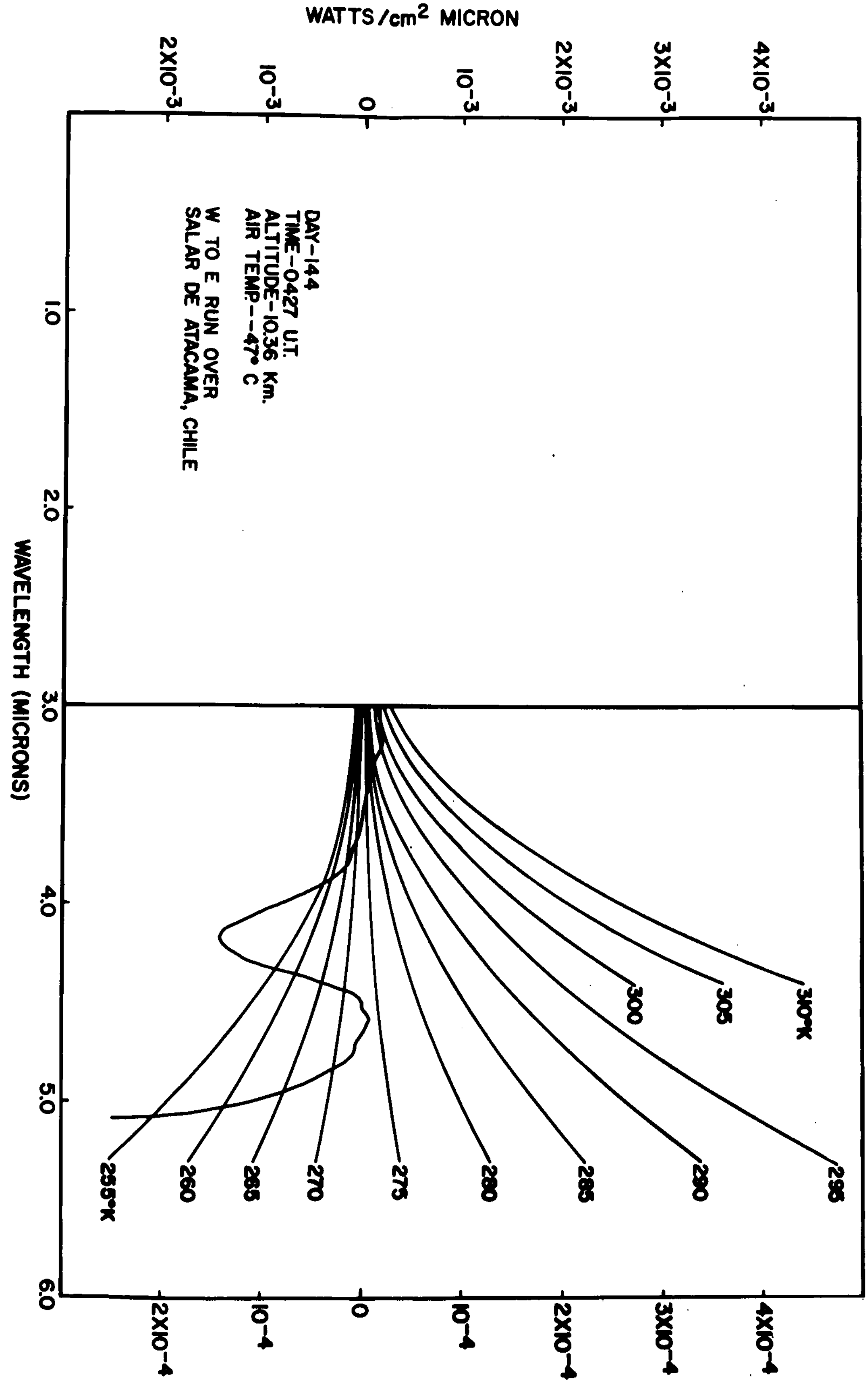

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0423 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0425 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
E OF ANTOFAGASTA
HEADING FOR
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

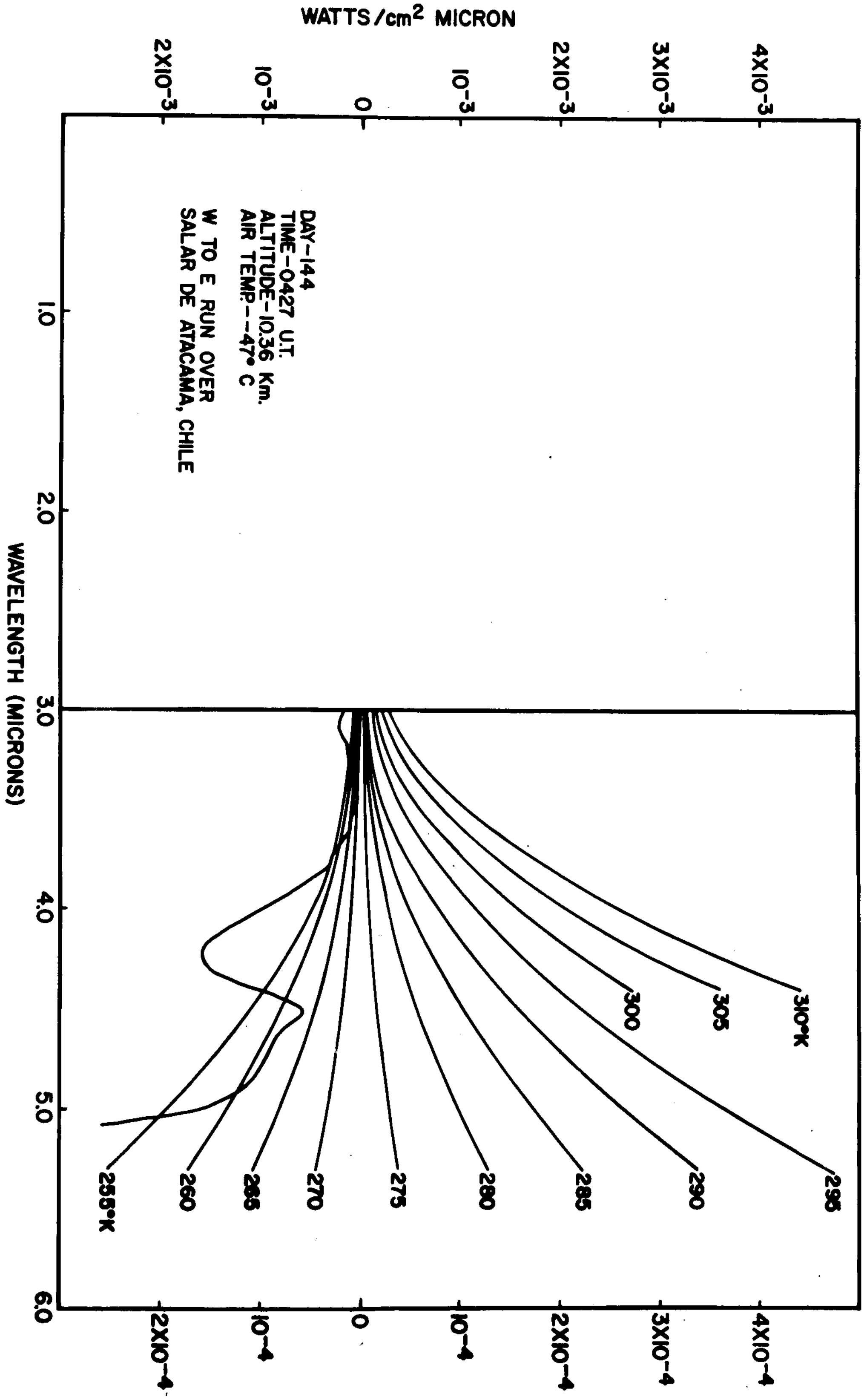

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0425 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING W EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0426 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

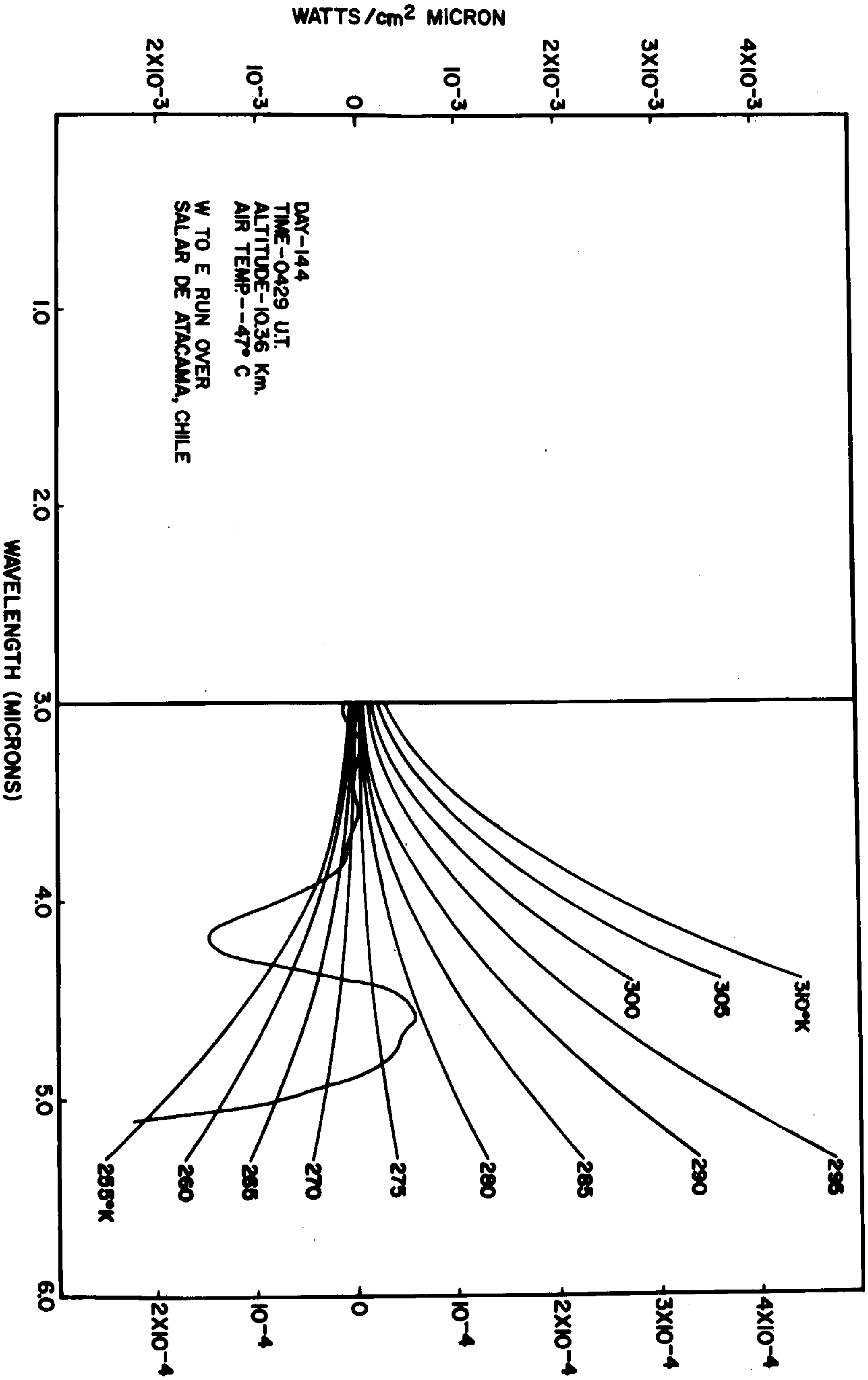

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0426 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



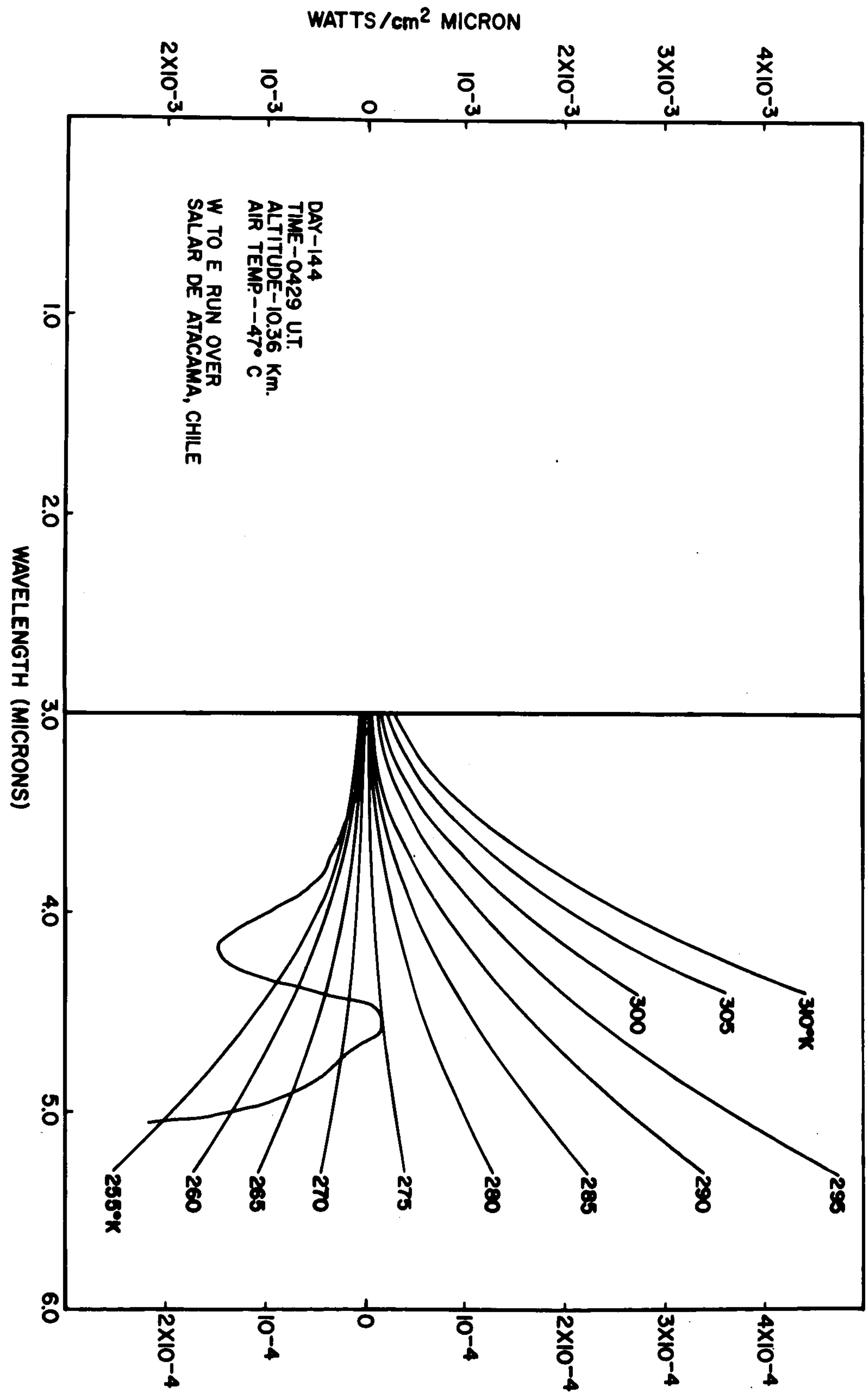
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0427 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

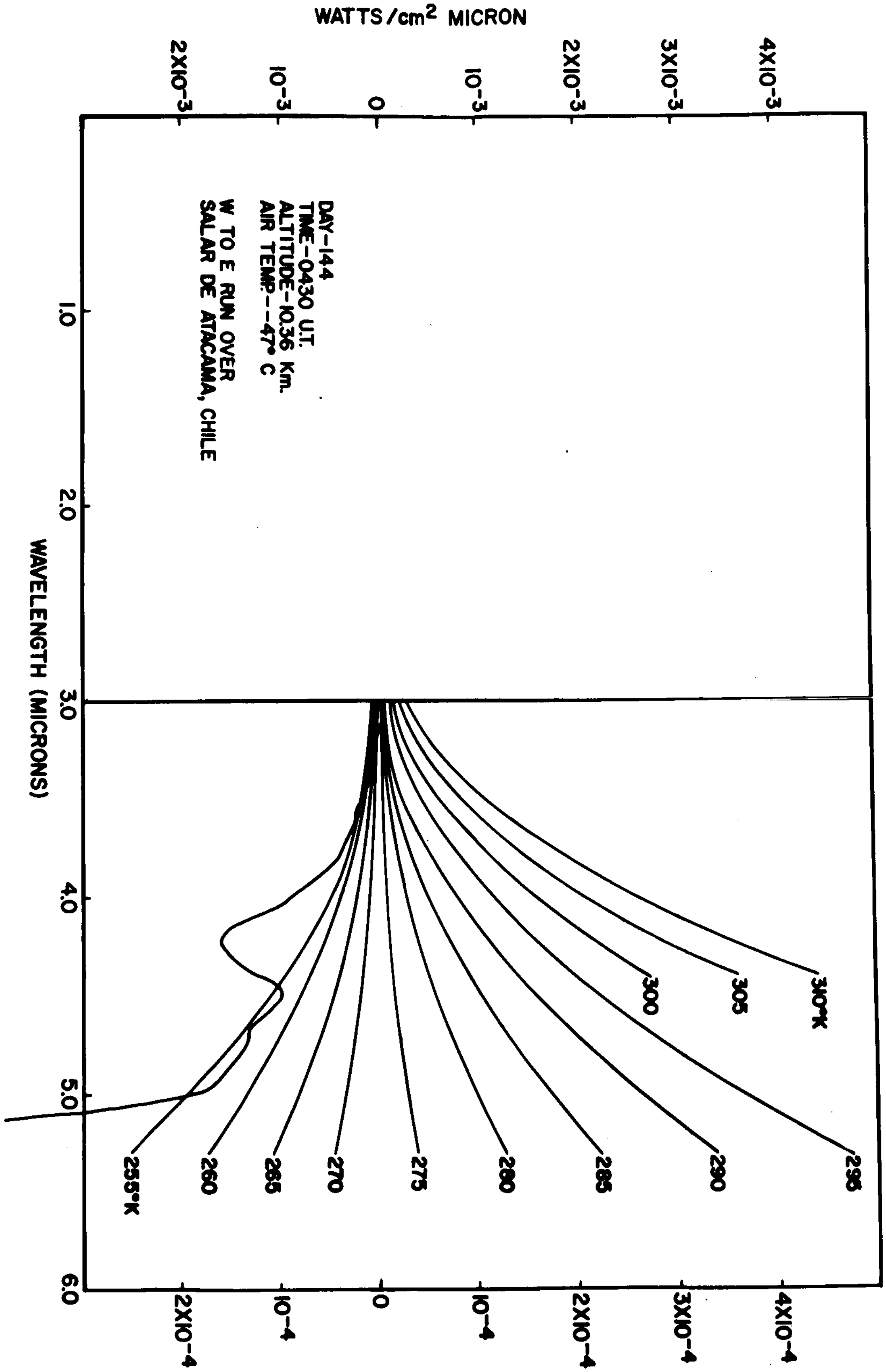


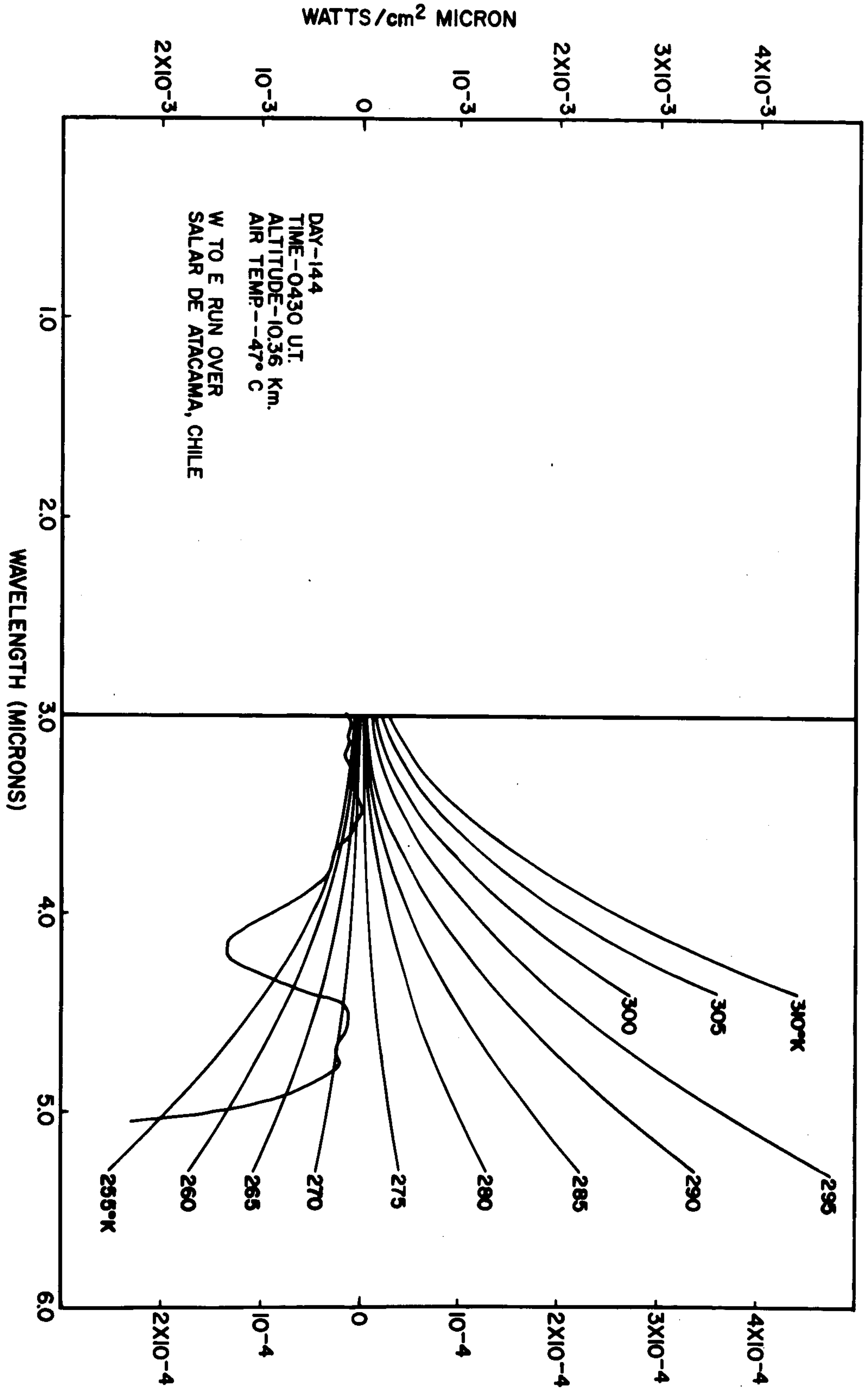
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0427 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

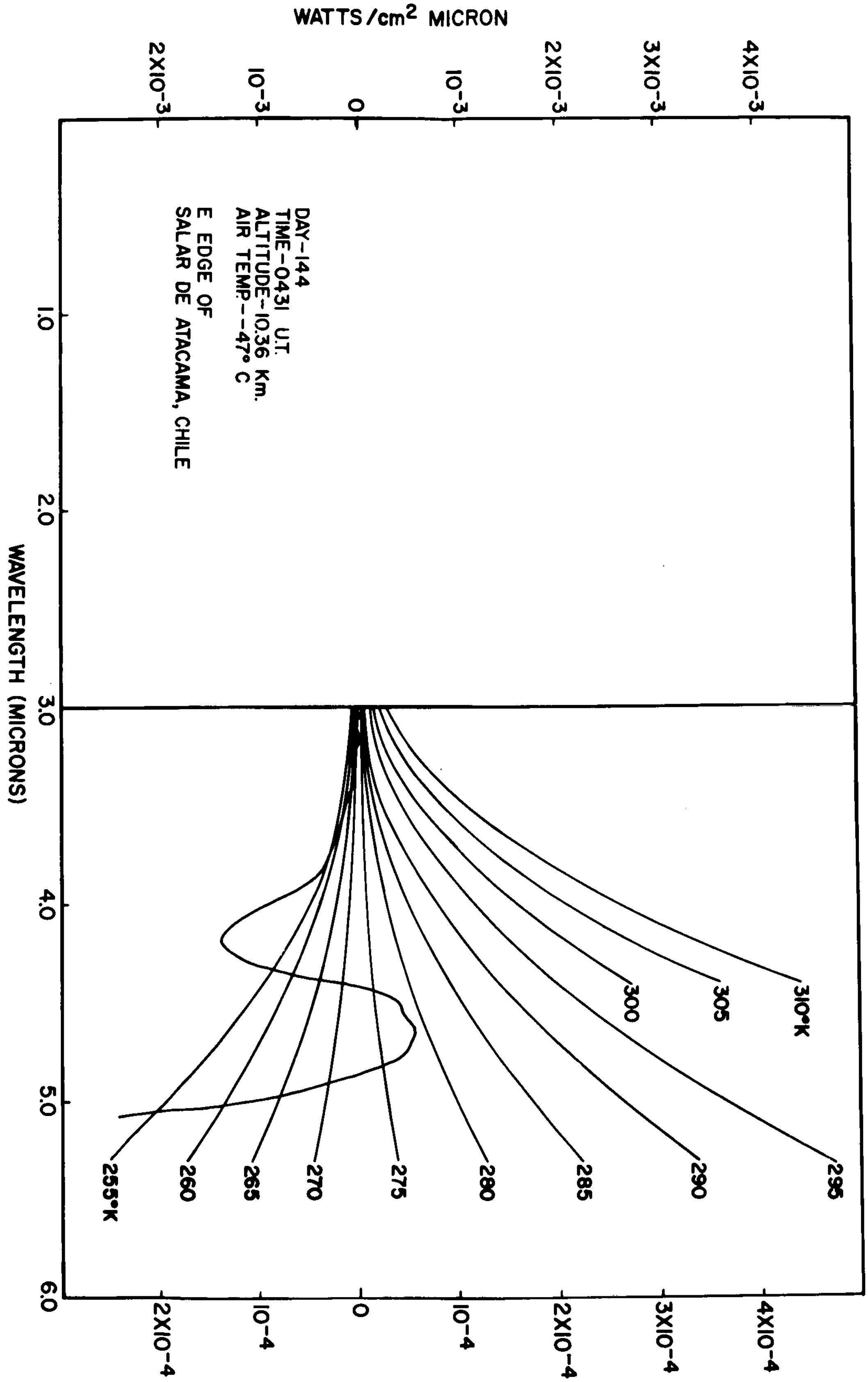


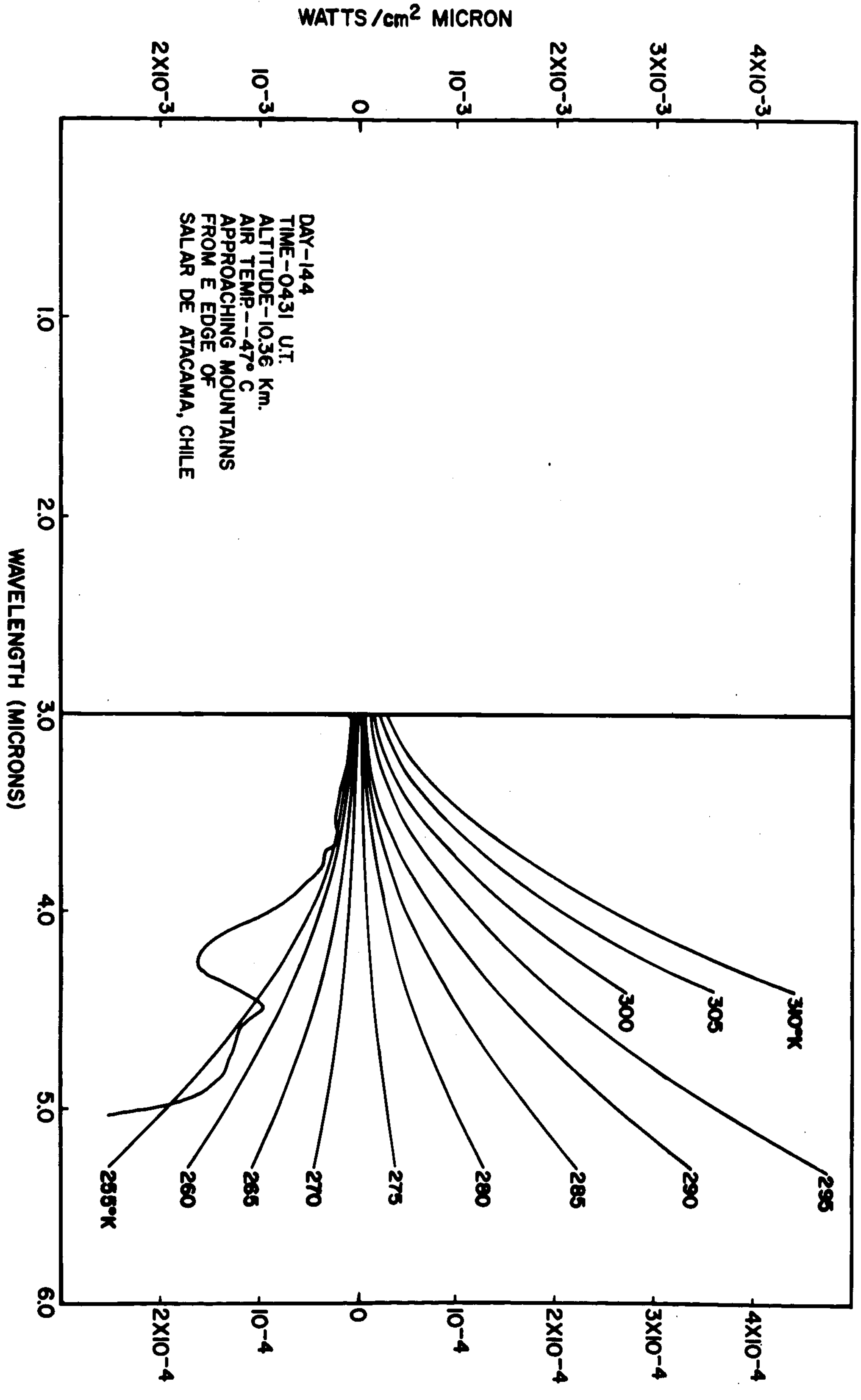
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0429 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

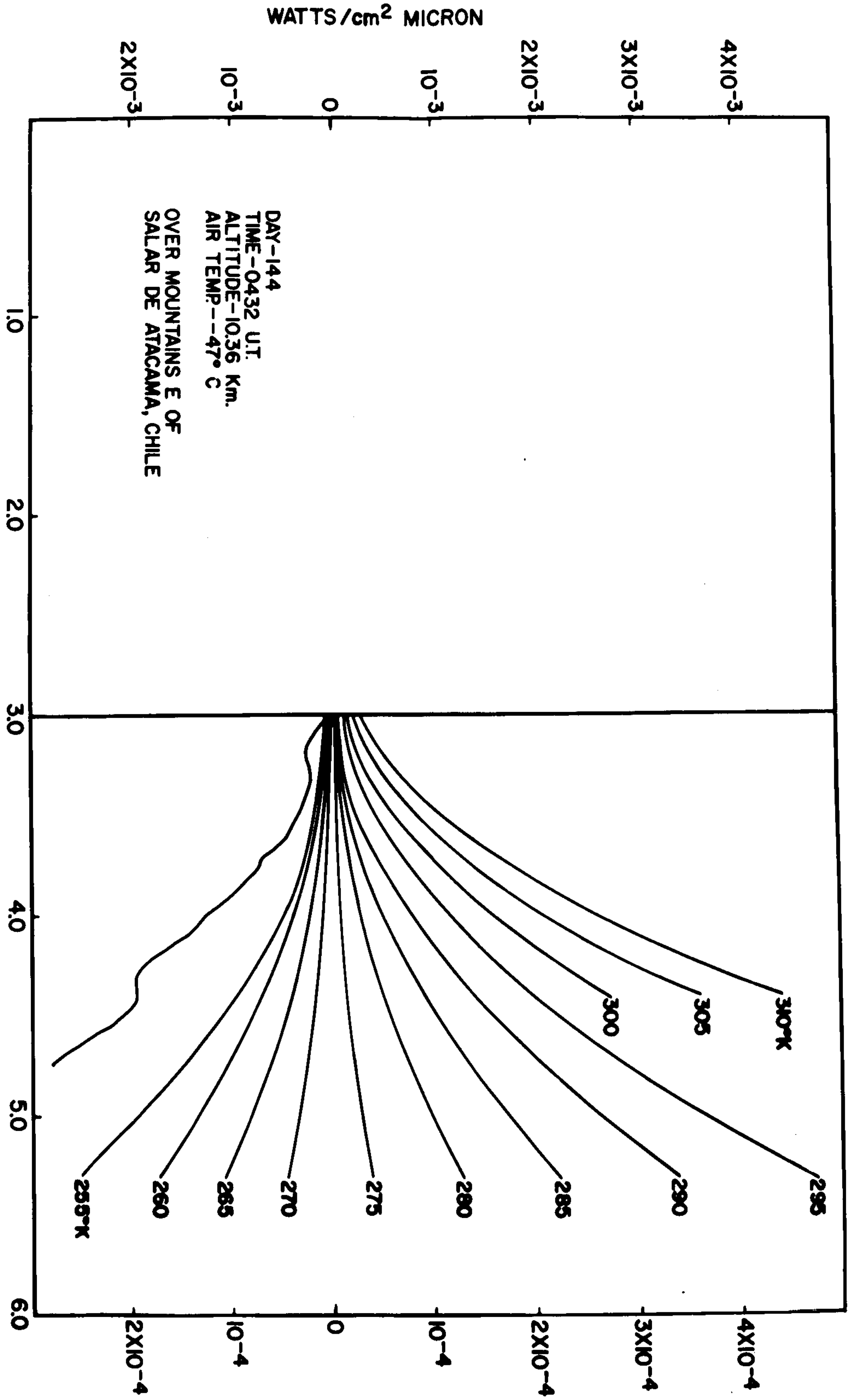

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-144
TIME-0429 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}

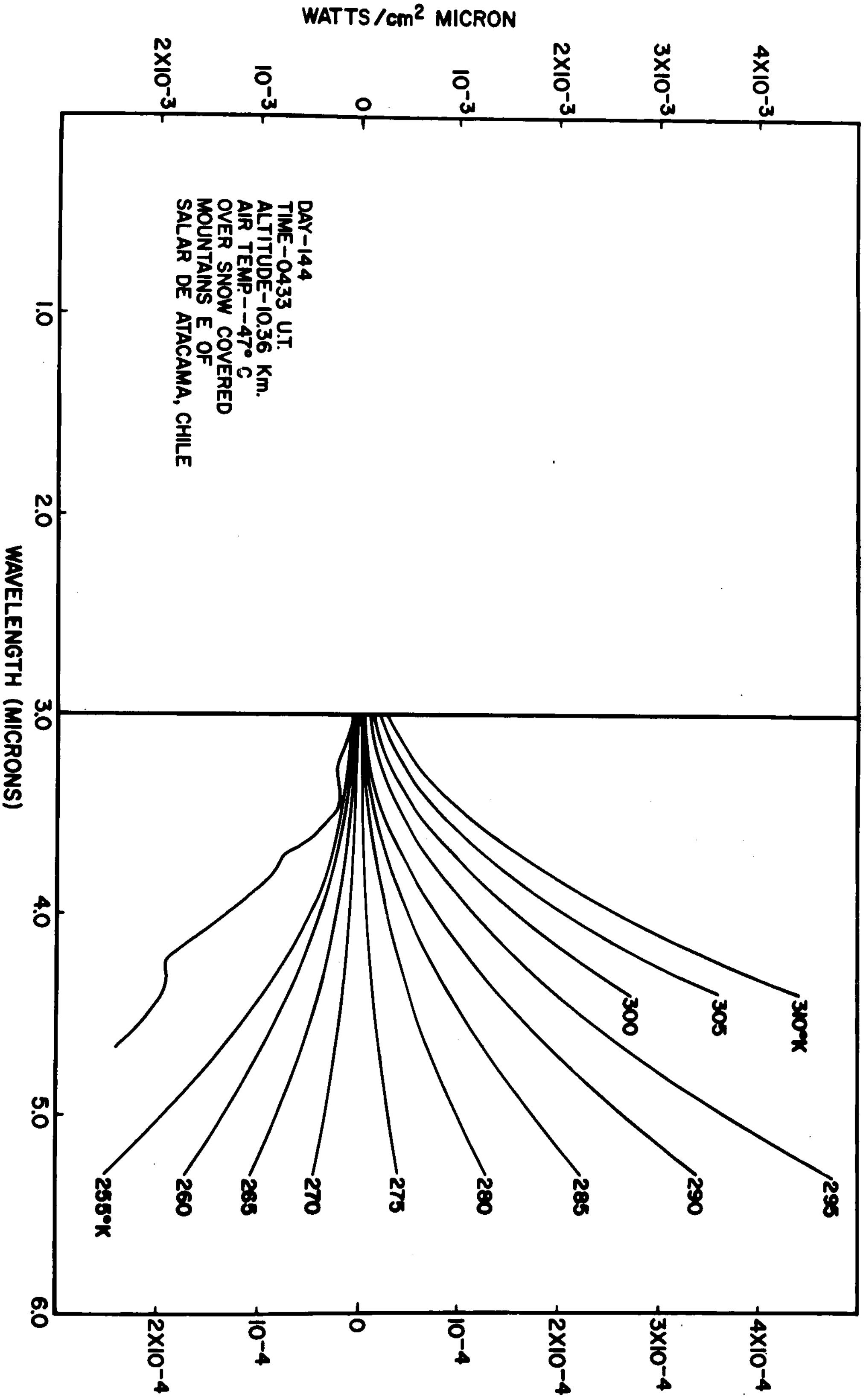

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0430 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0430 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

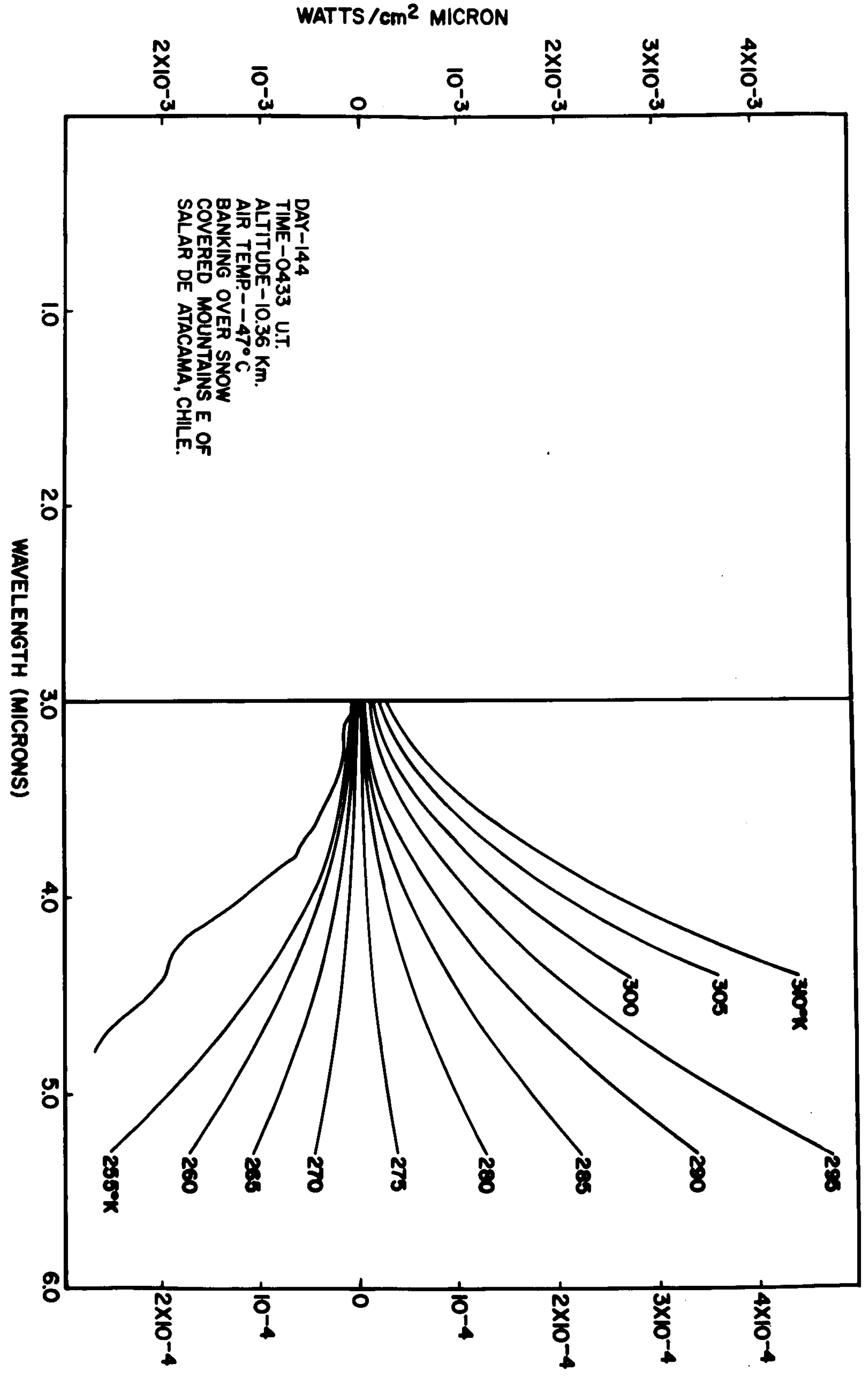

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0431 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

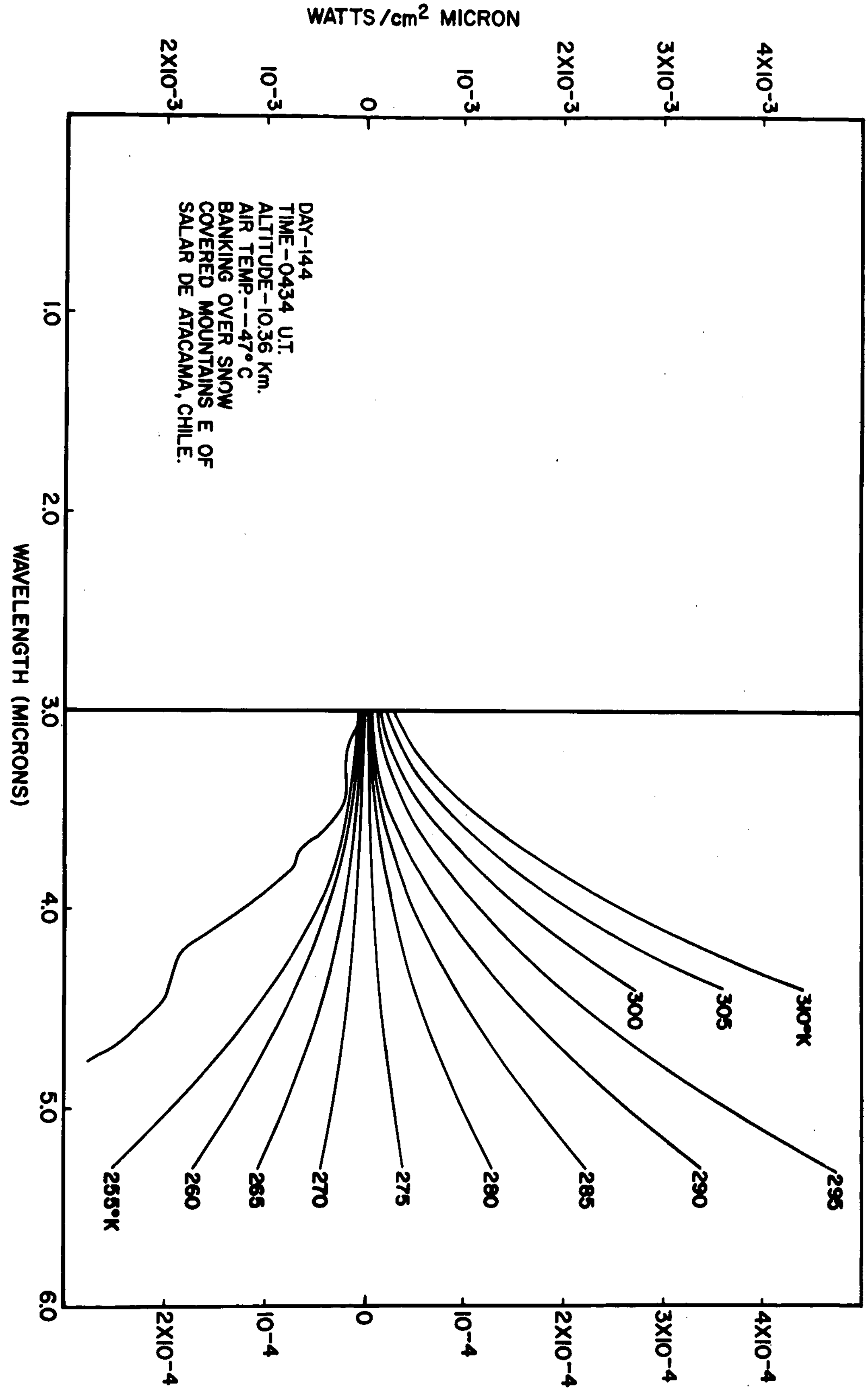

WATTS /cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0431 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
APPROACHING MOUNTAINS
FROM E EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

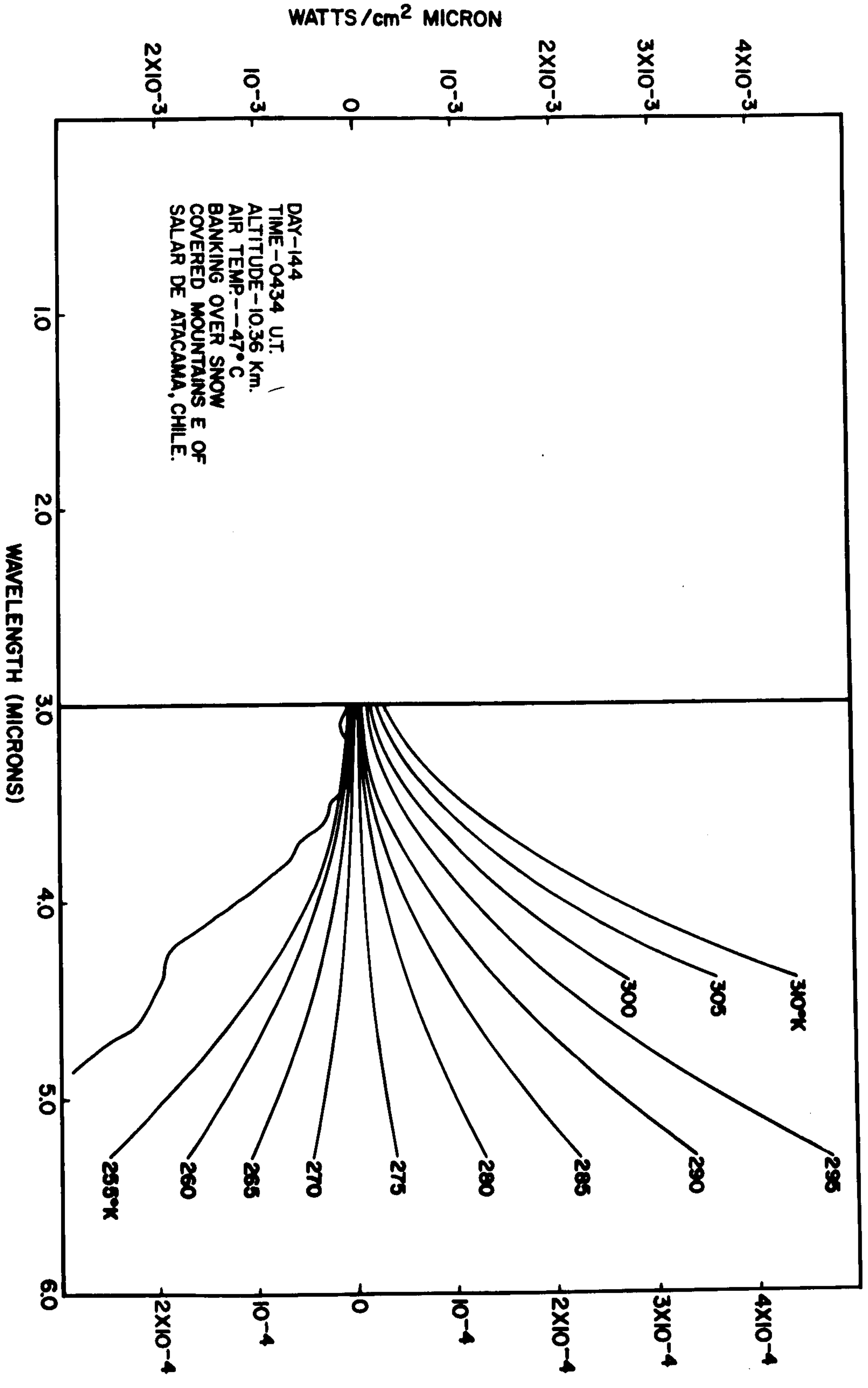

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0432 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
OVER MOUNTAINS E OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

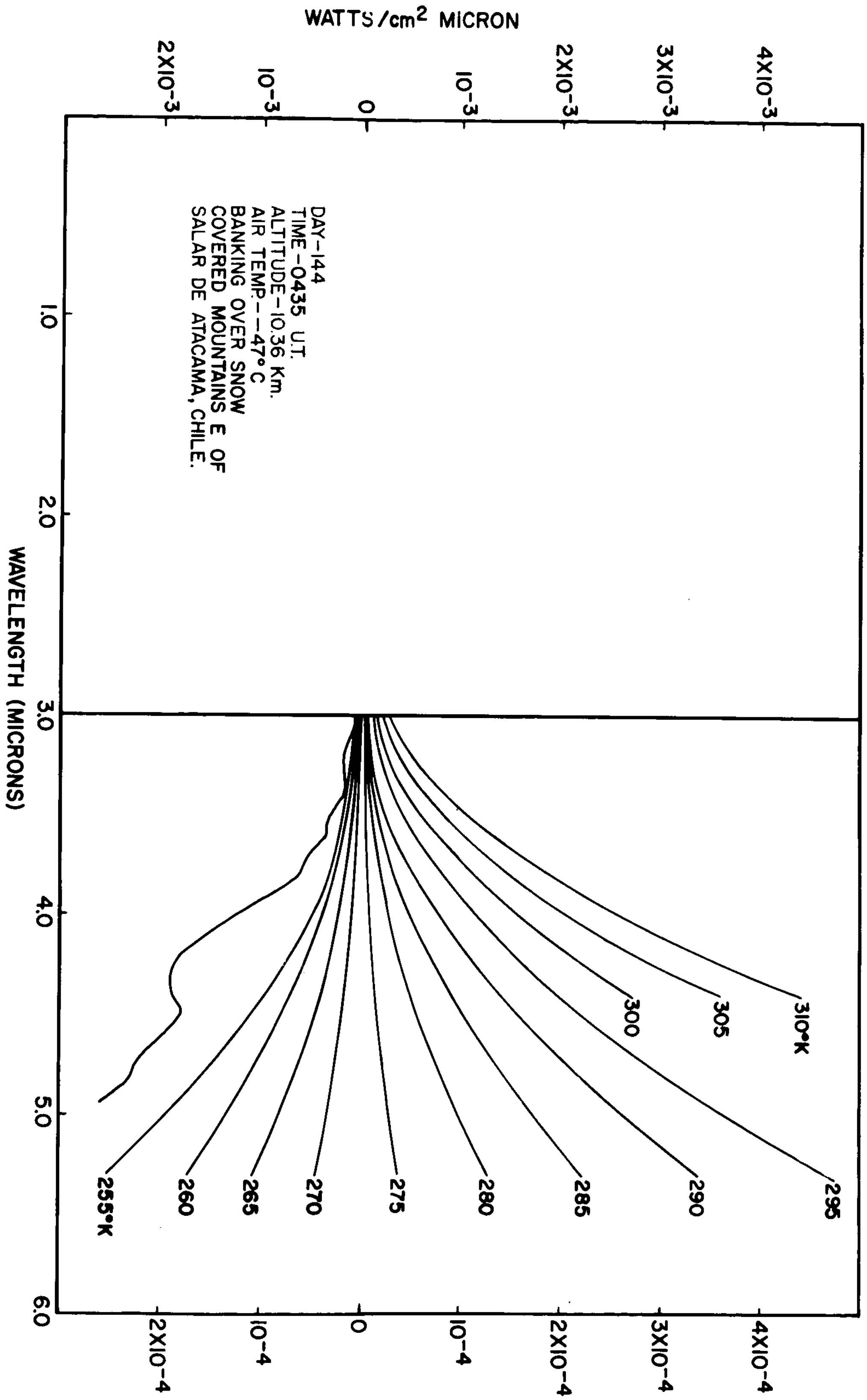


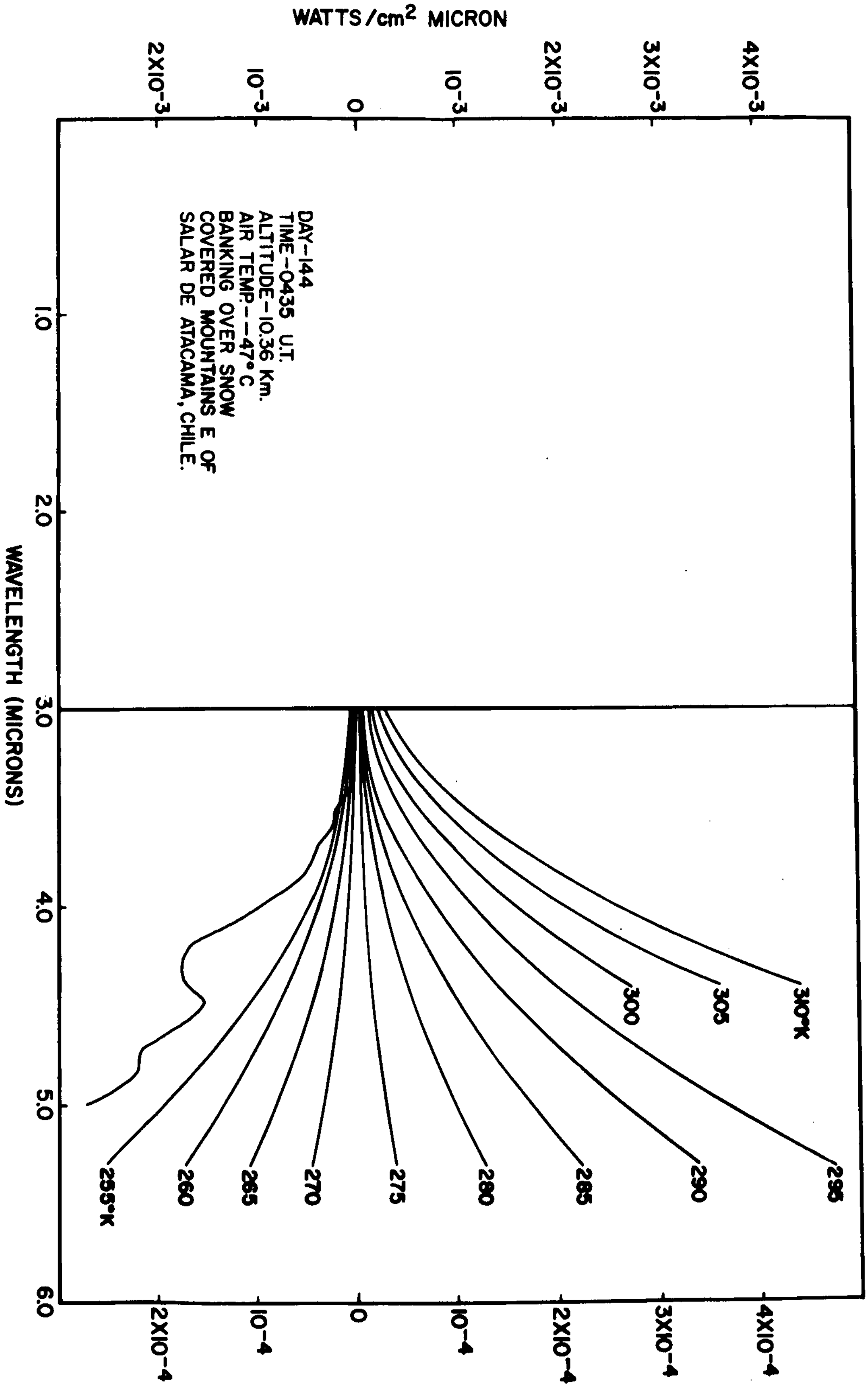
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0433 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
OVER SNOW COVERED
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

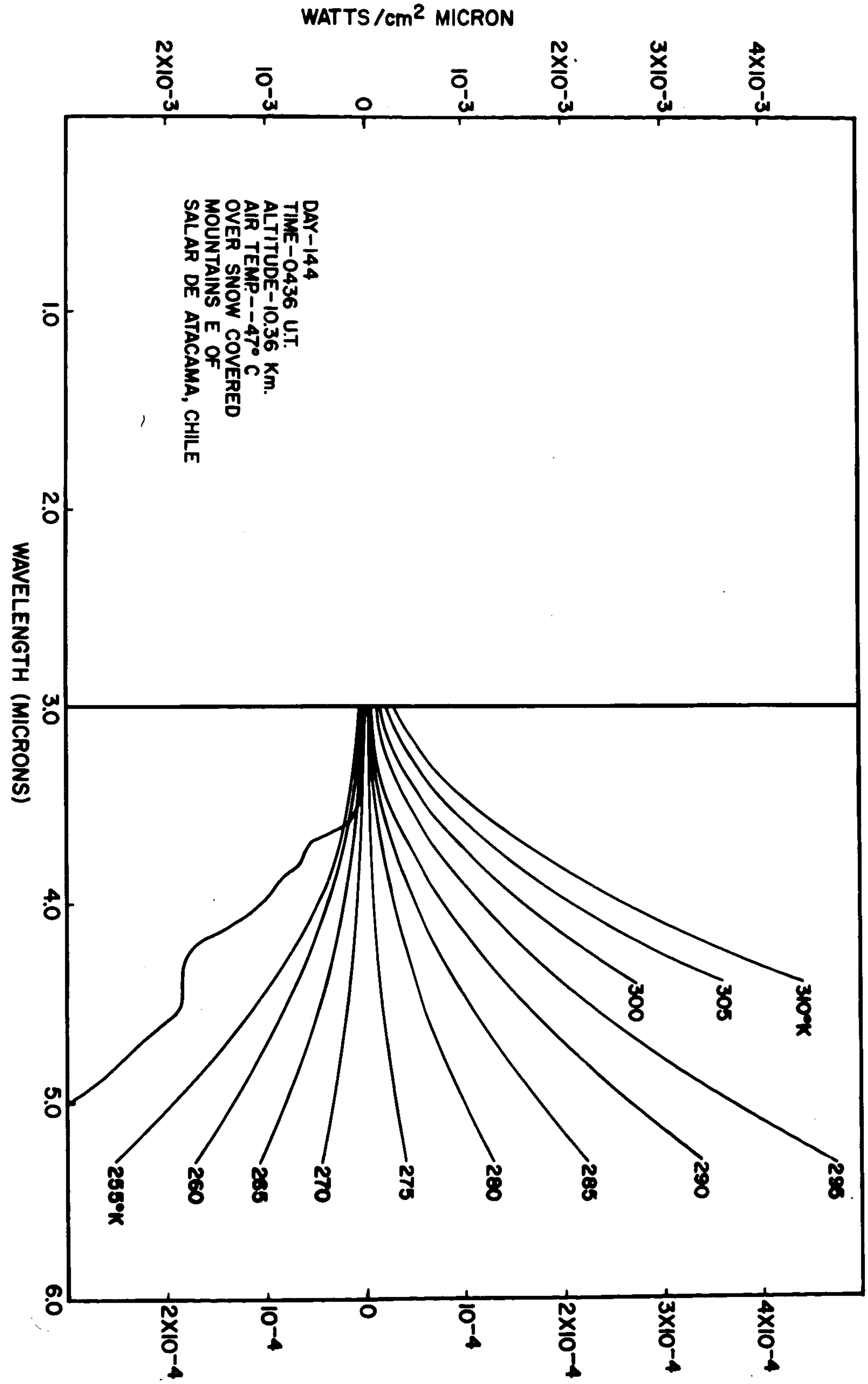

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0433 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

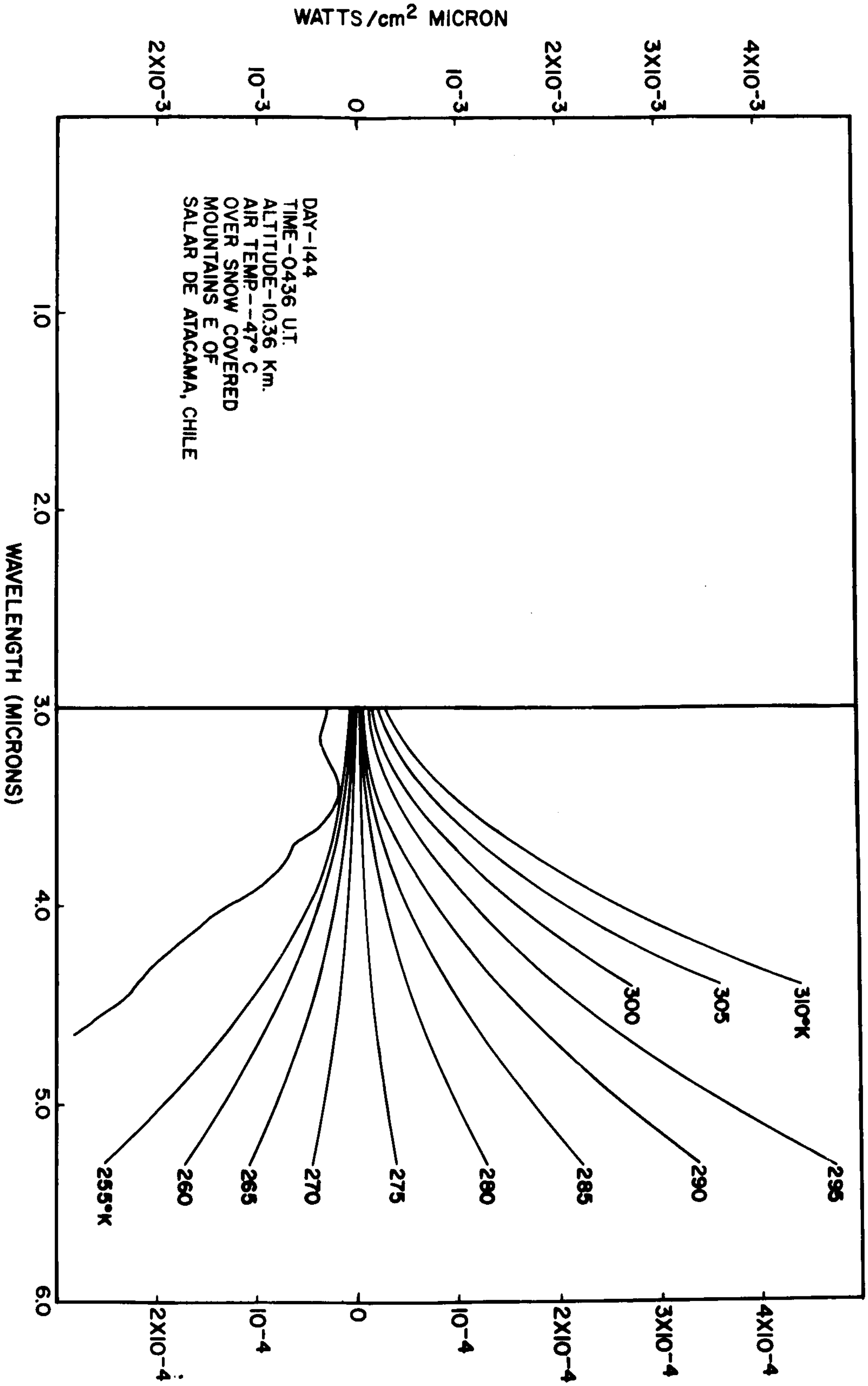

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0434 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47°C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

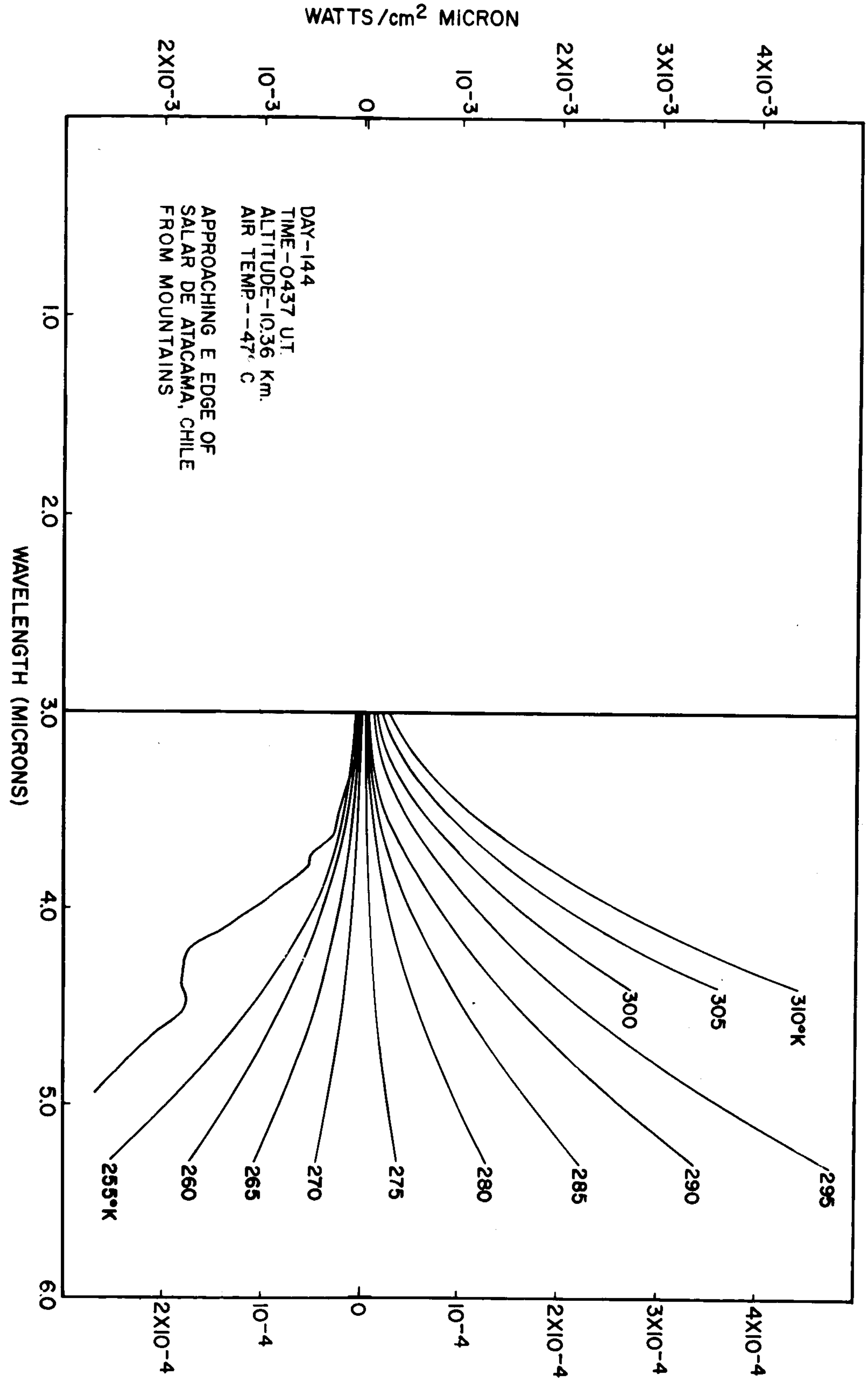

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0434 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

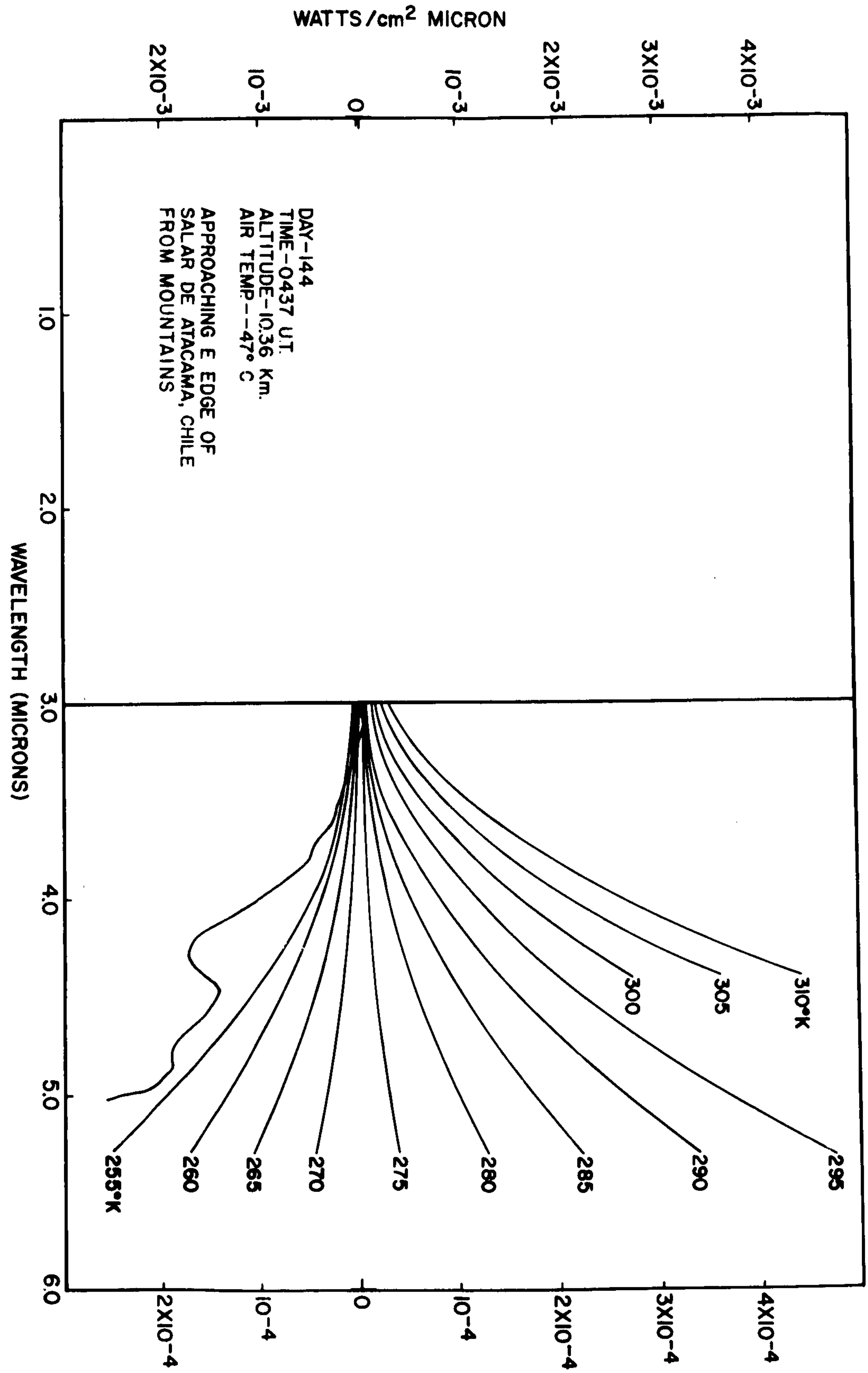

WATTS/cm2 MICRON
DAY-144
TIME-0435 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K

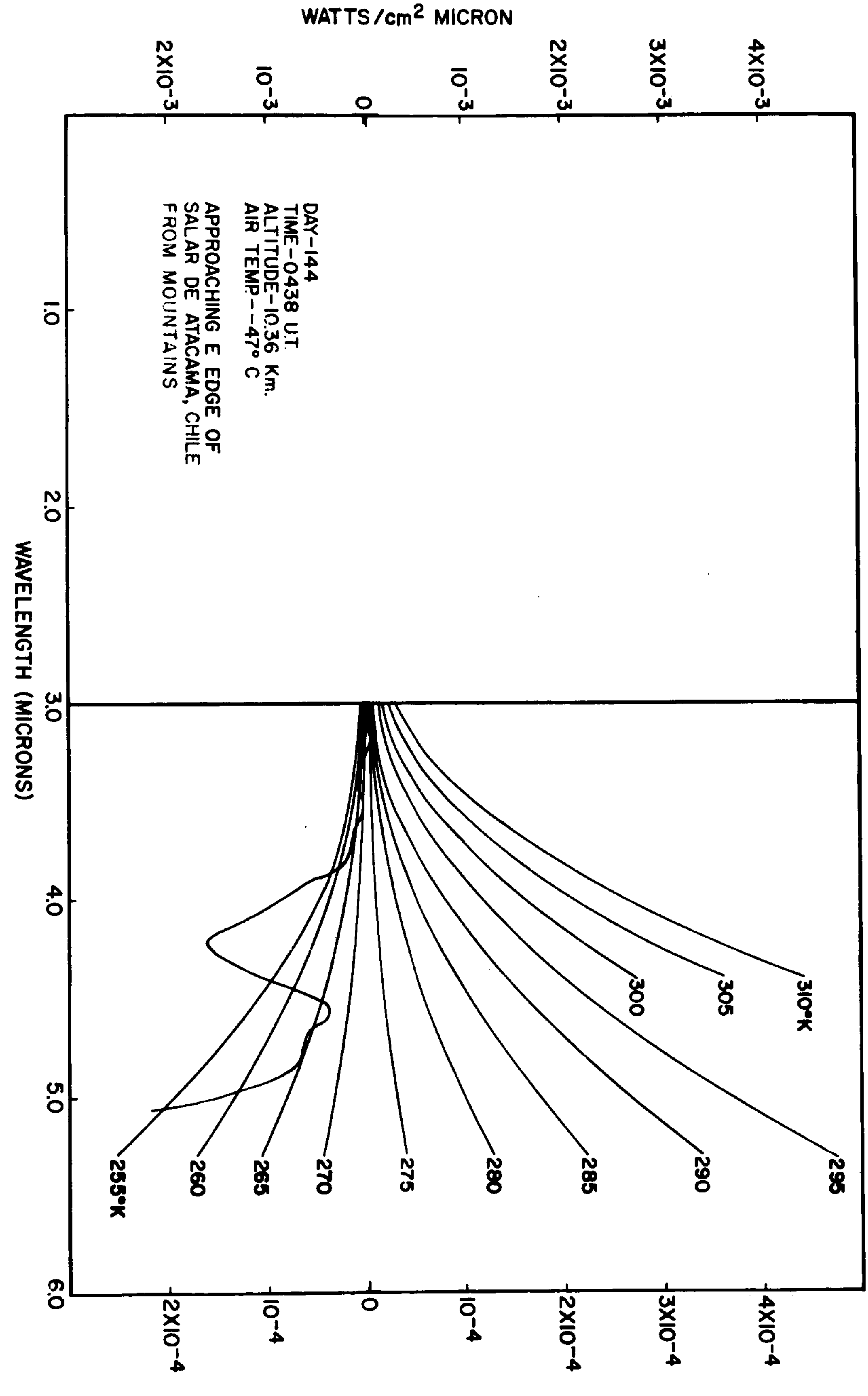

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0435 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

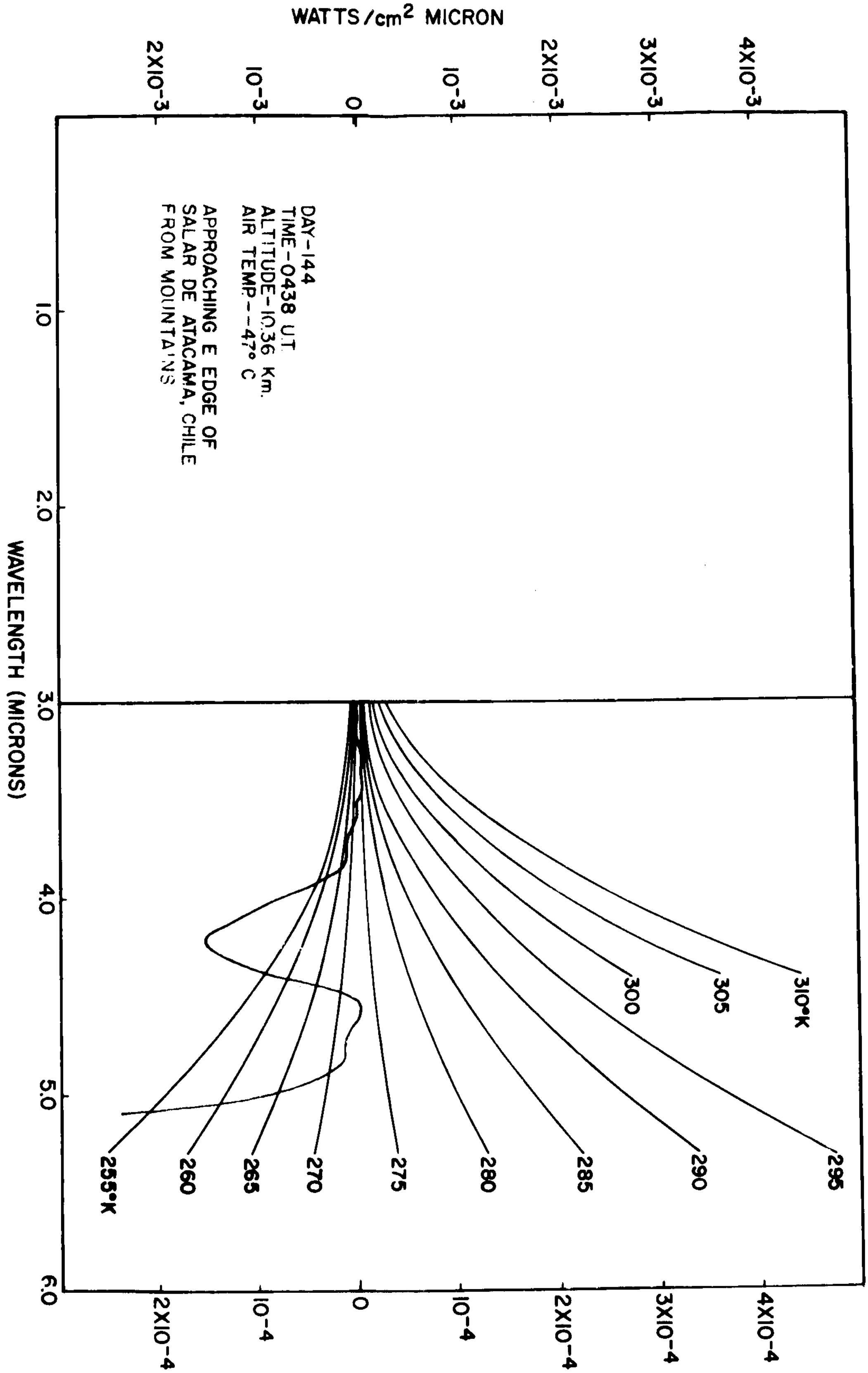

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-144
TIME-0436 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
OVER SNOW COVERED
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}

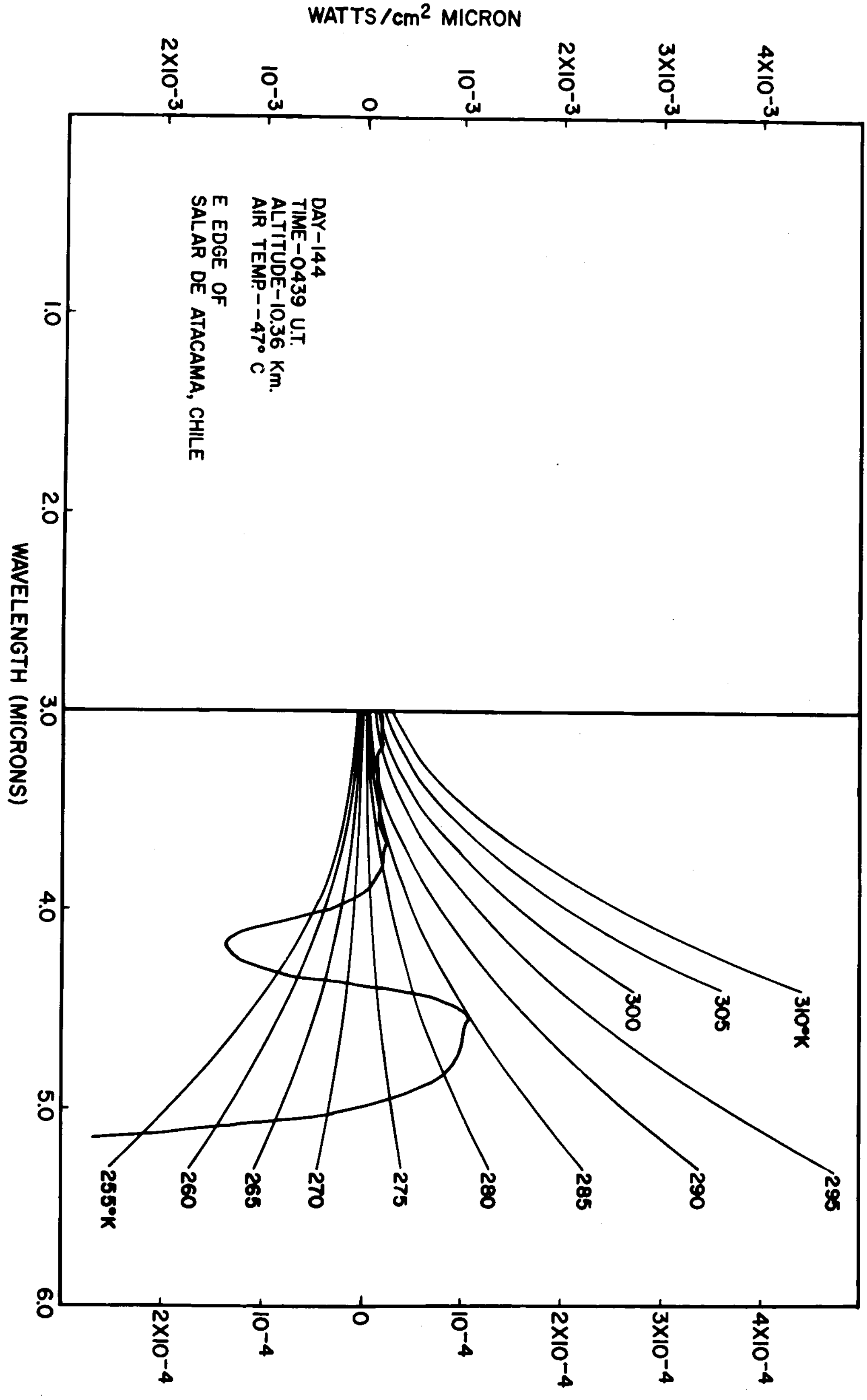

WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-144
TIME-0436 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
OVER SNOW COVERED
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0437 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE
FROM MOUNTAINS
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

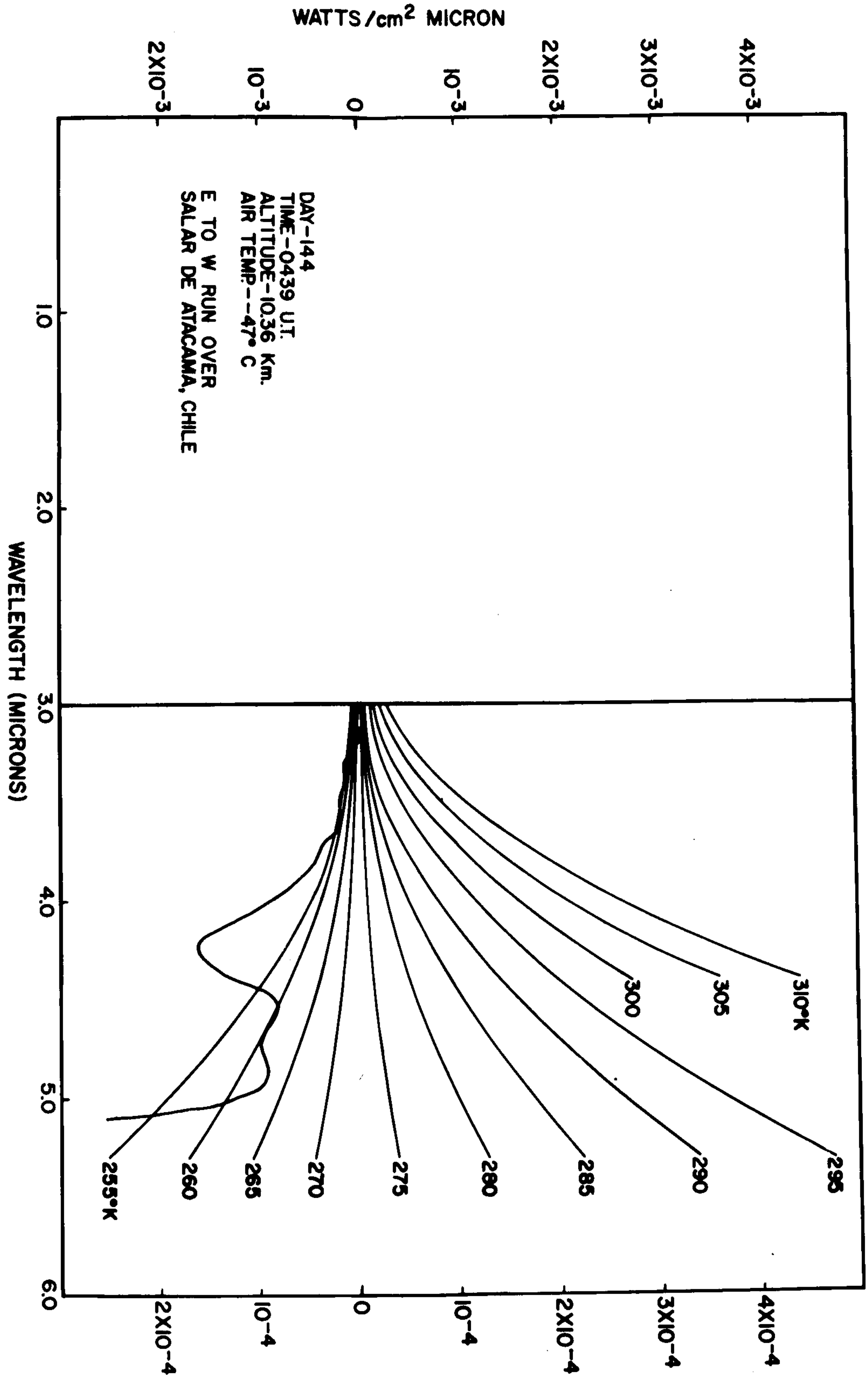

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0437 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

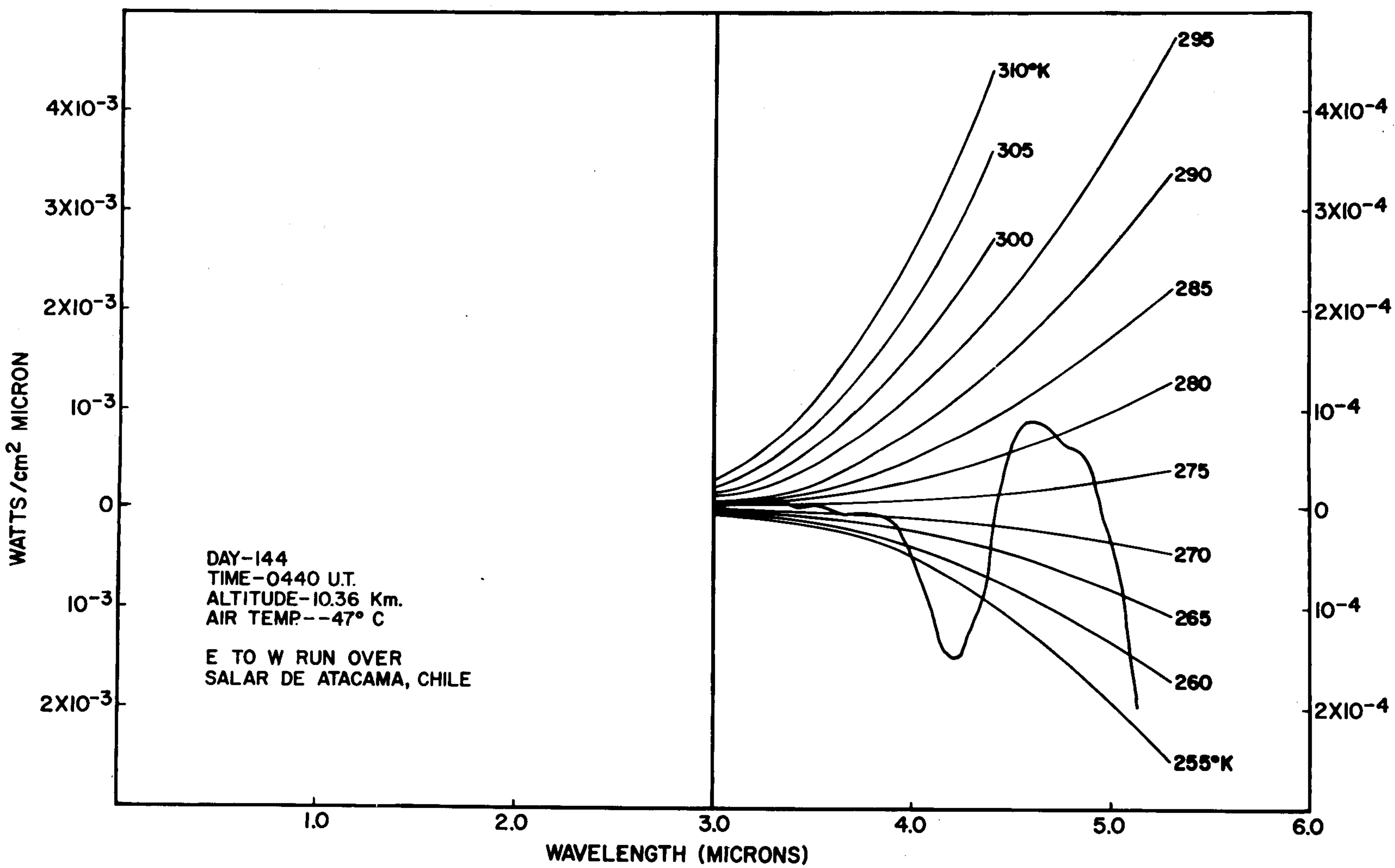

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0438 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

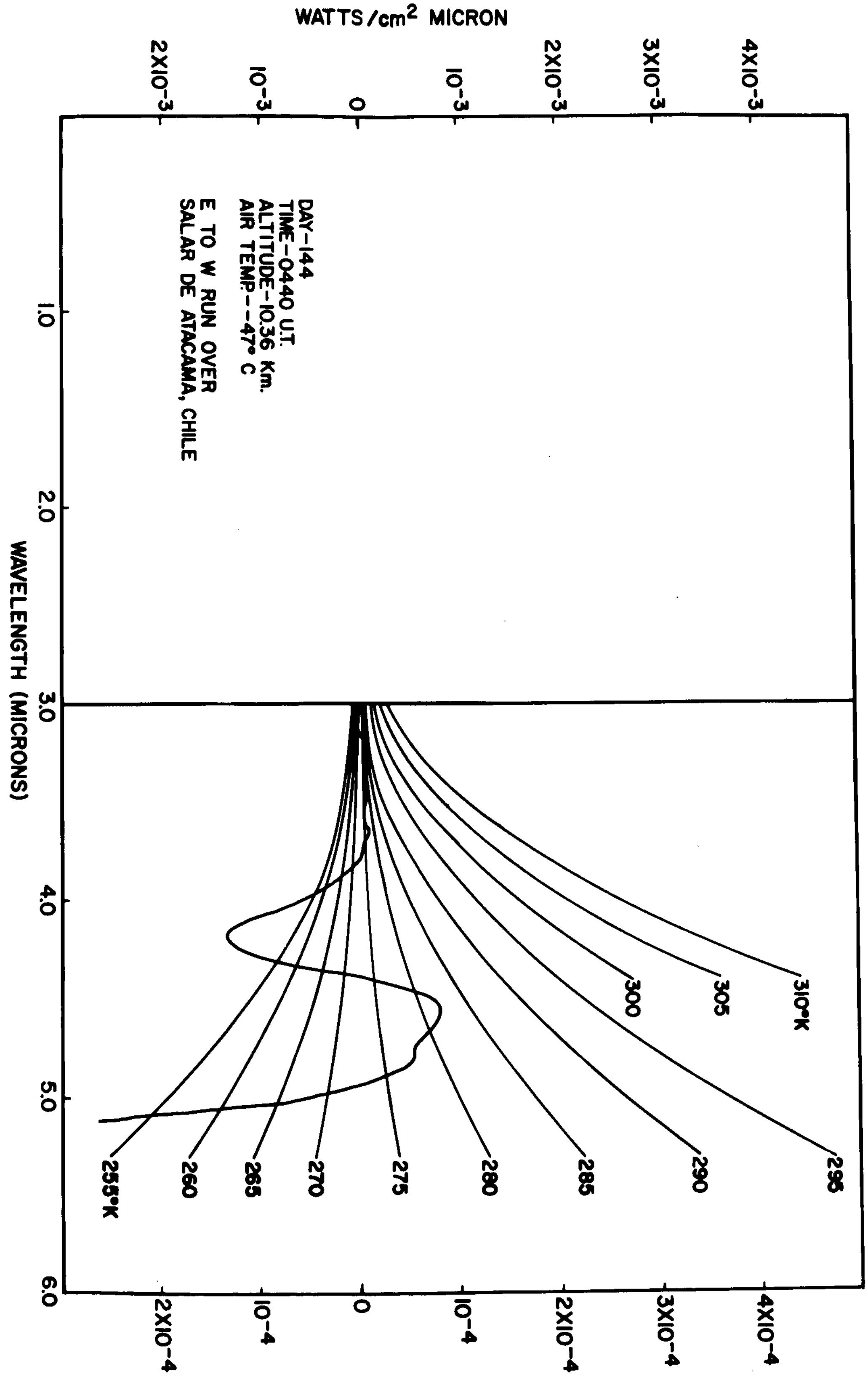

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0438 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

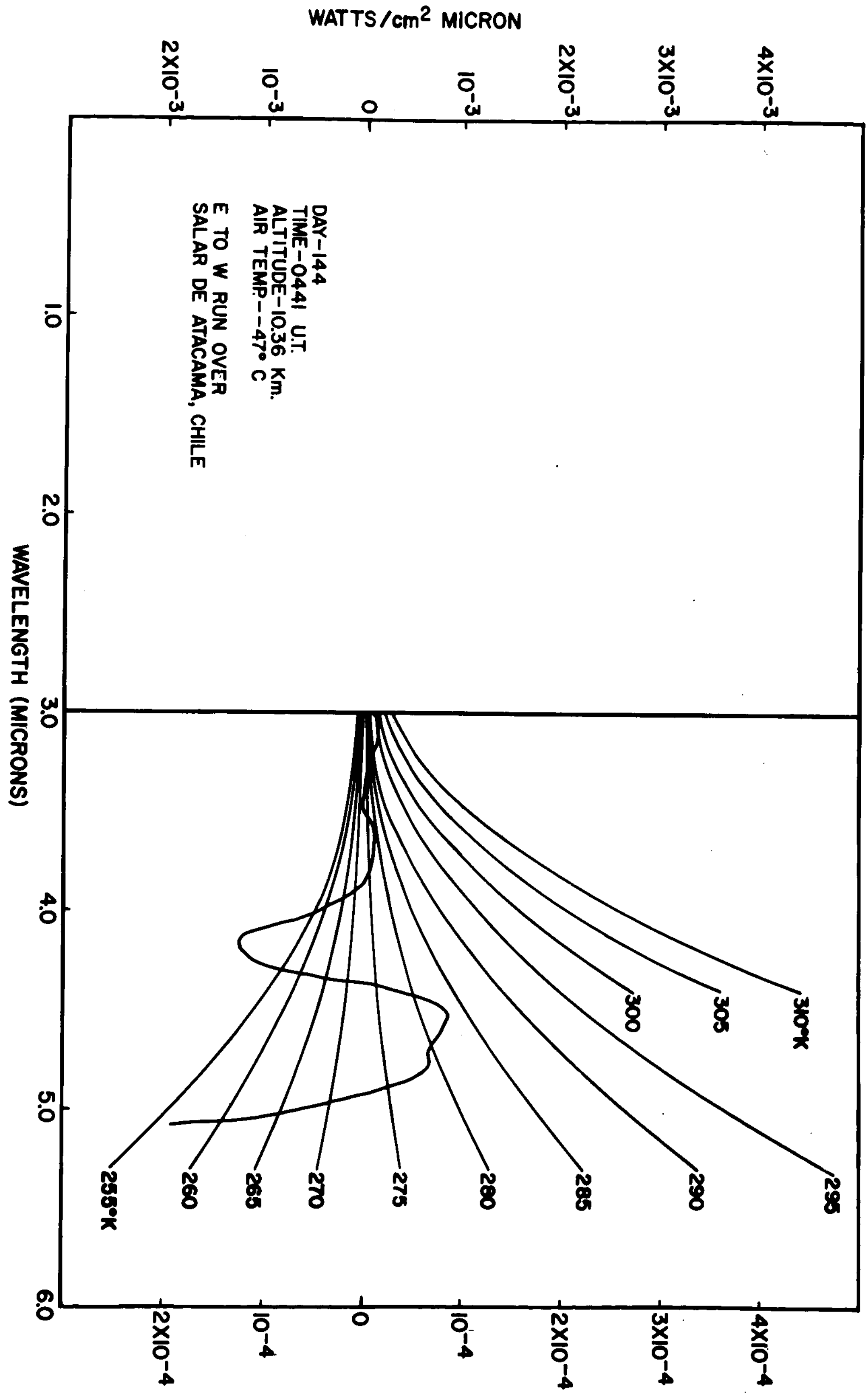


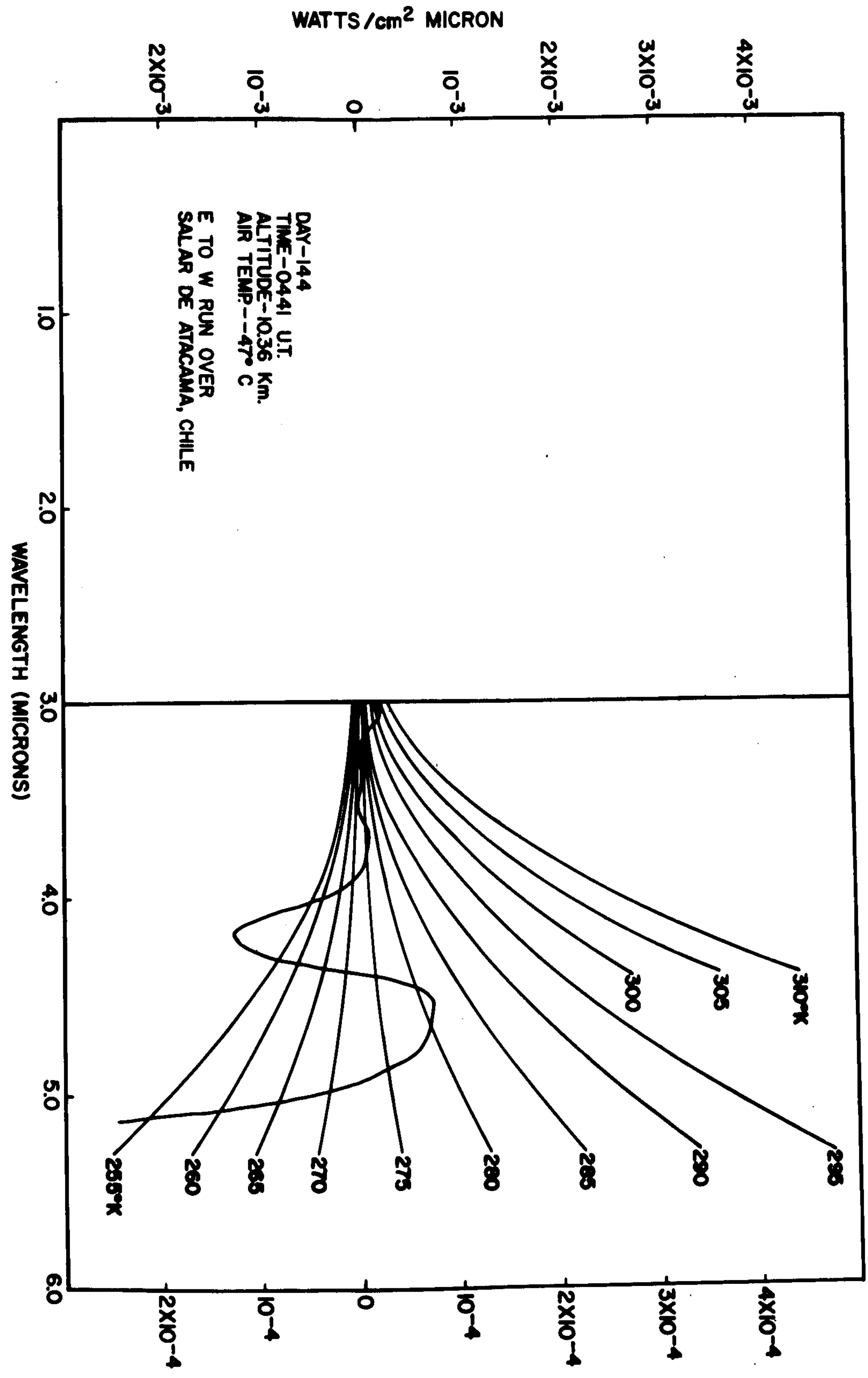
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0439 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

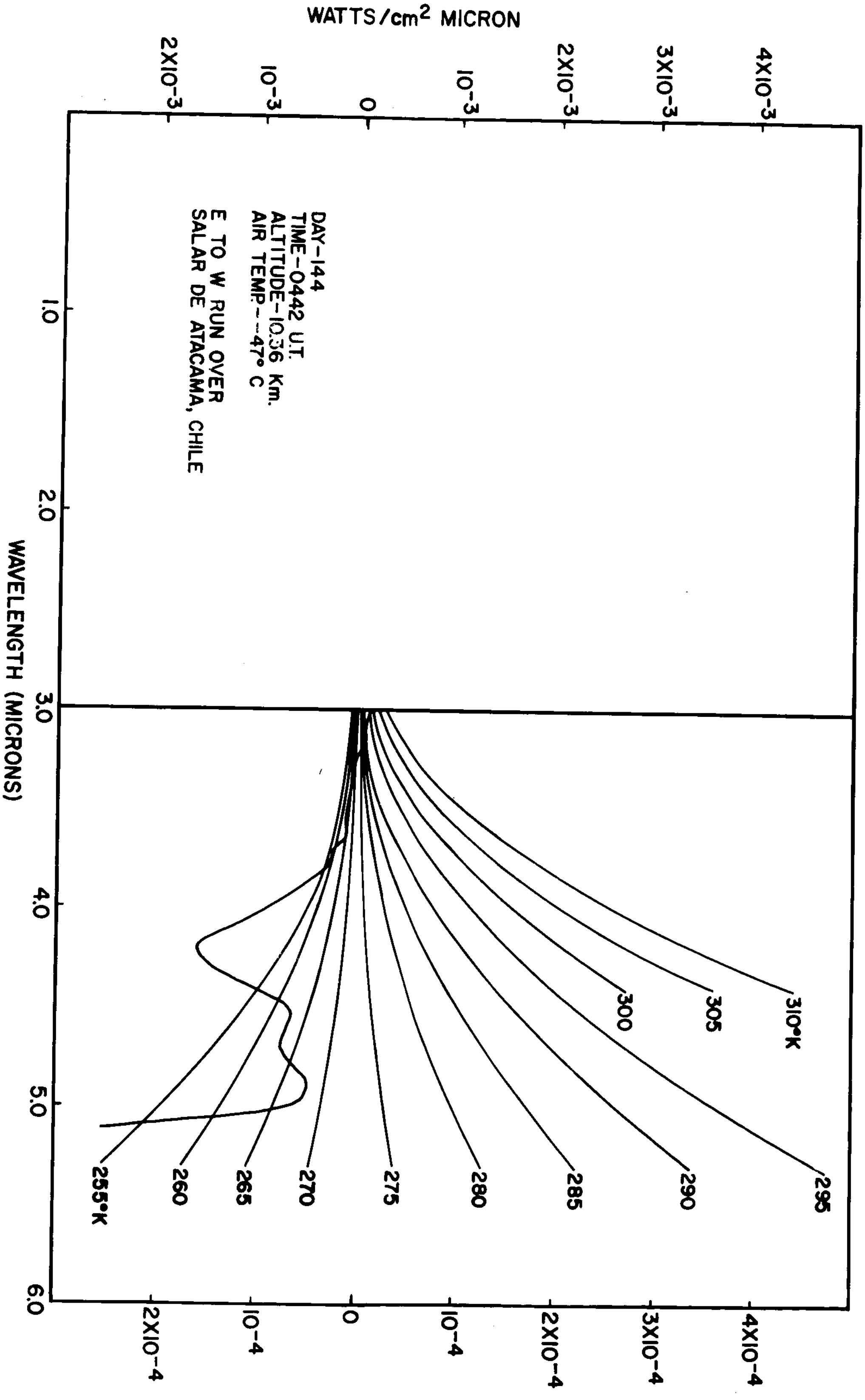

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0439 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

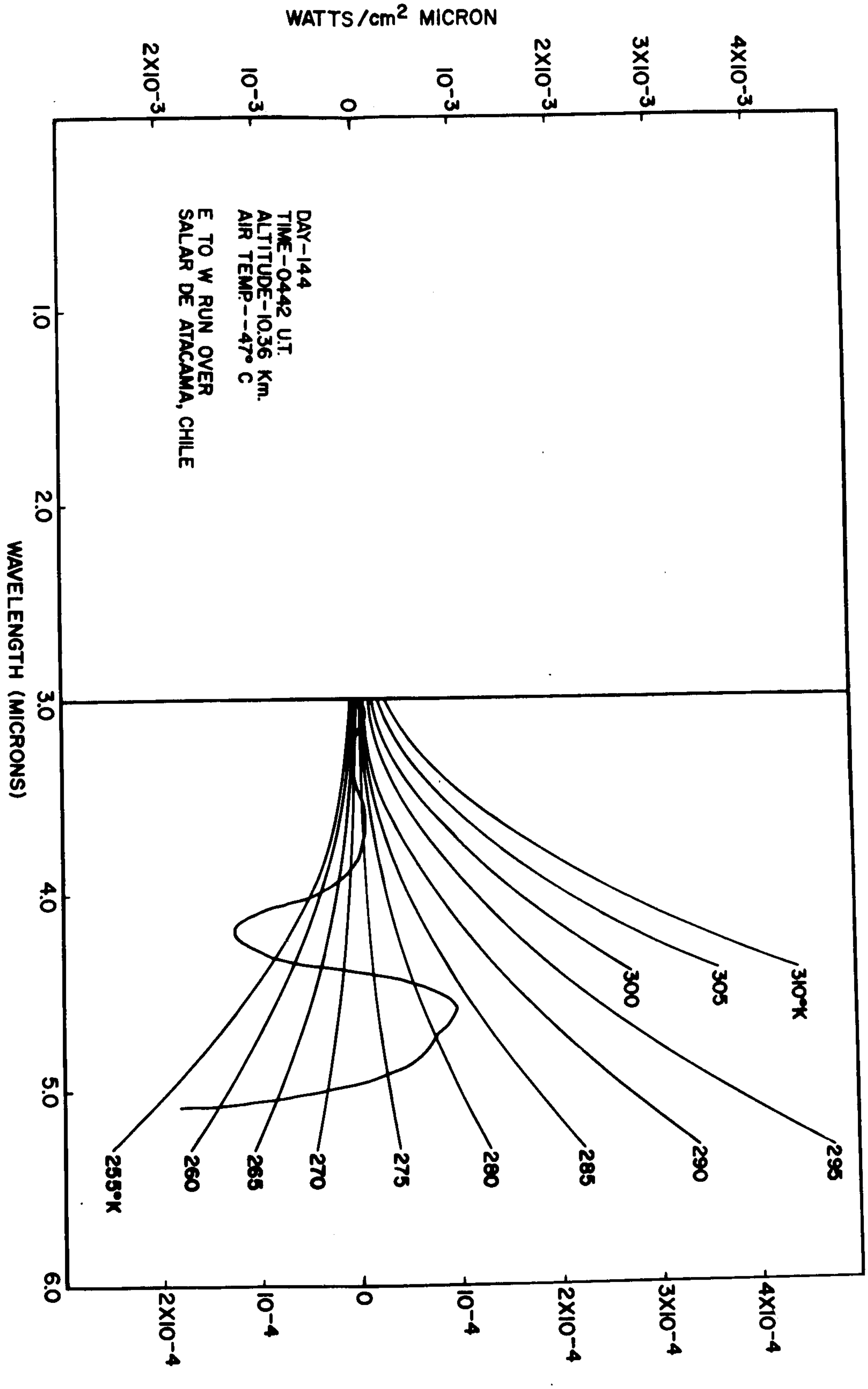

WATTS /cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0440 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0440 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

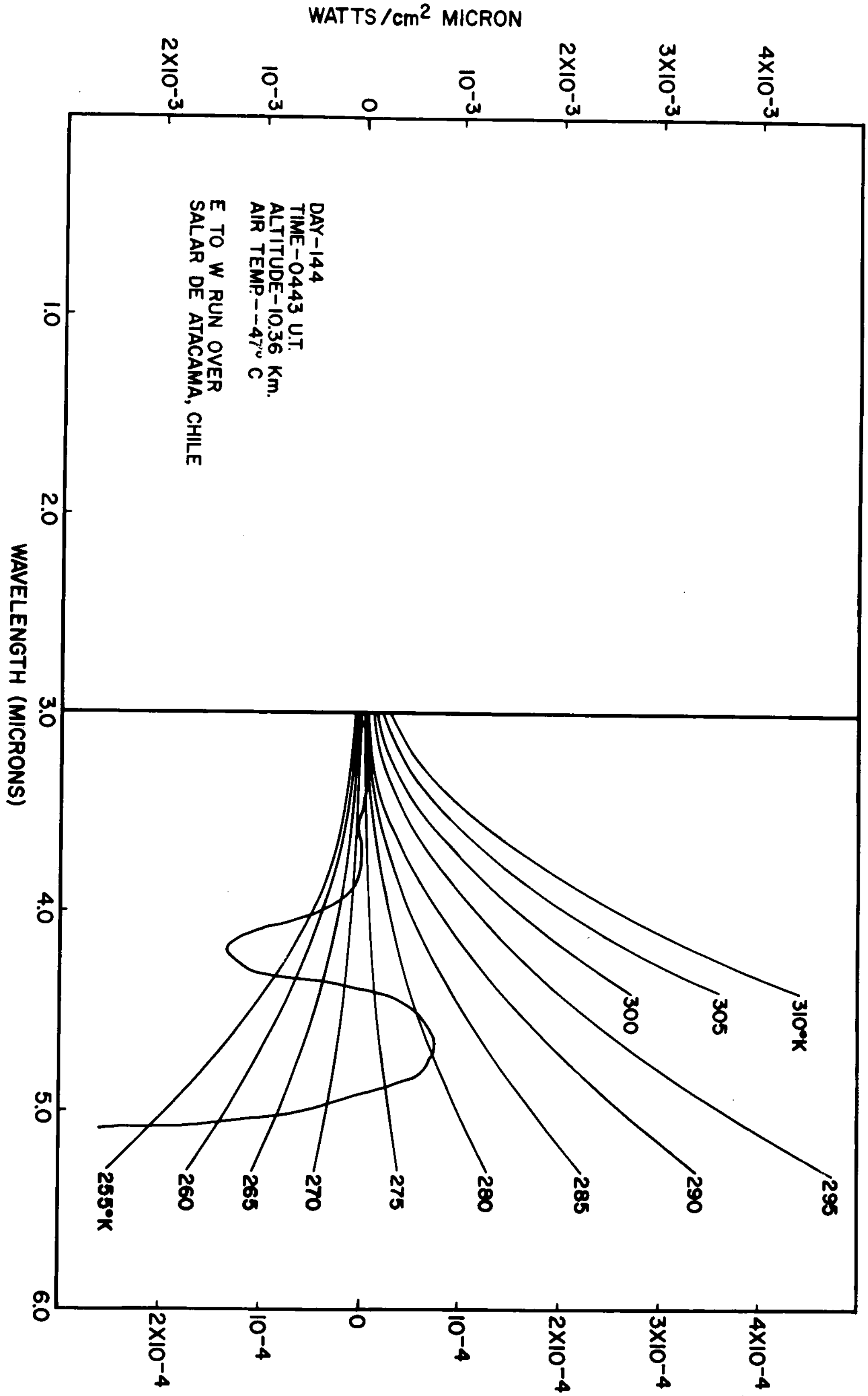

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0441 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

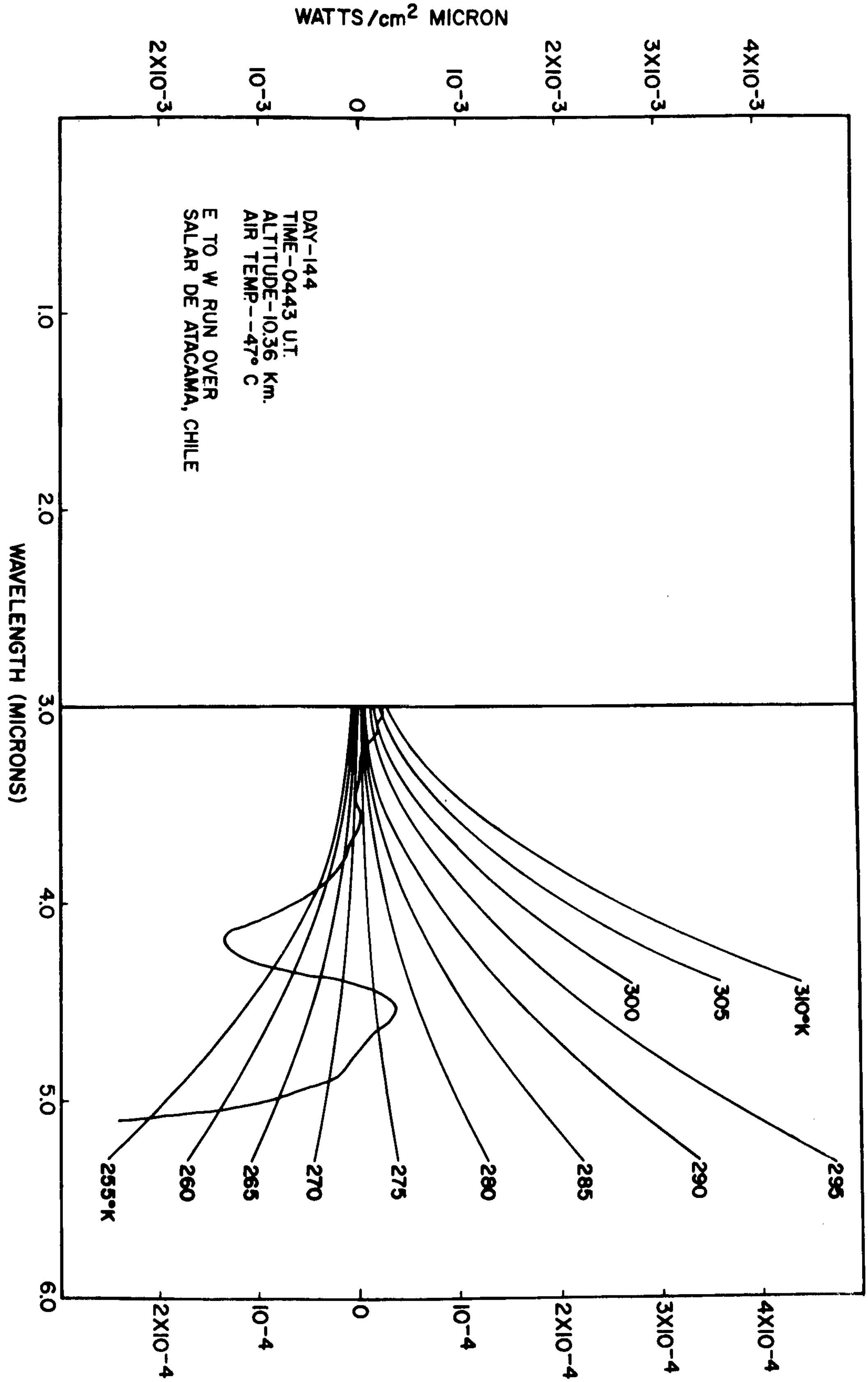

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0441 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0442 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

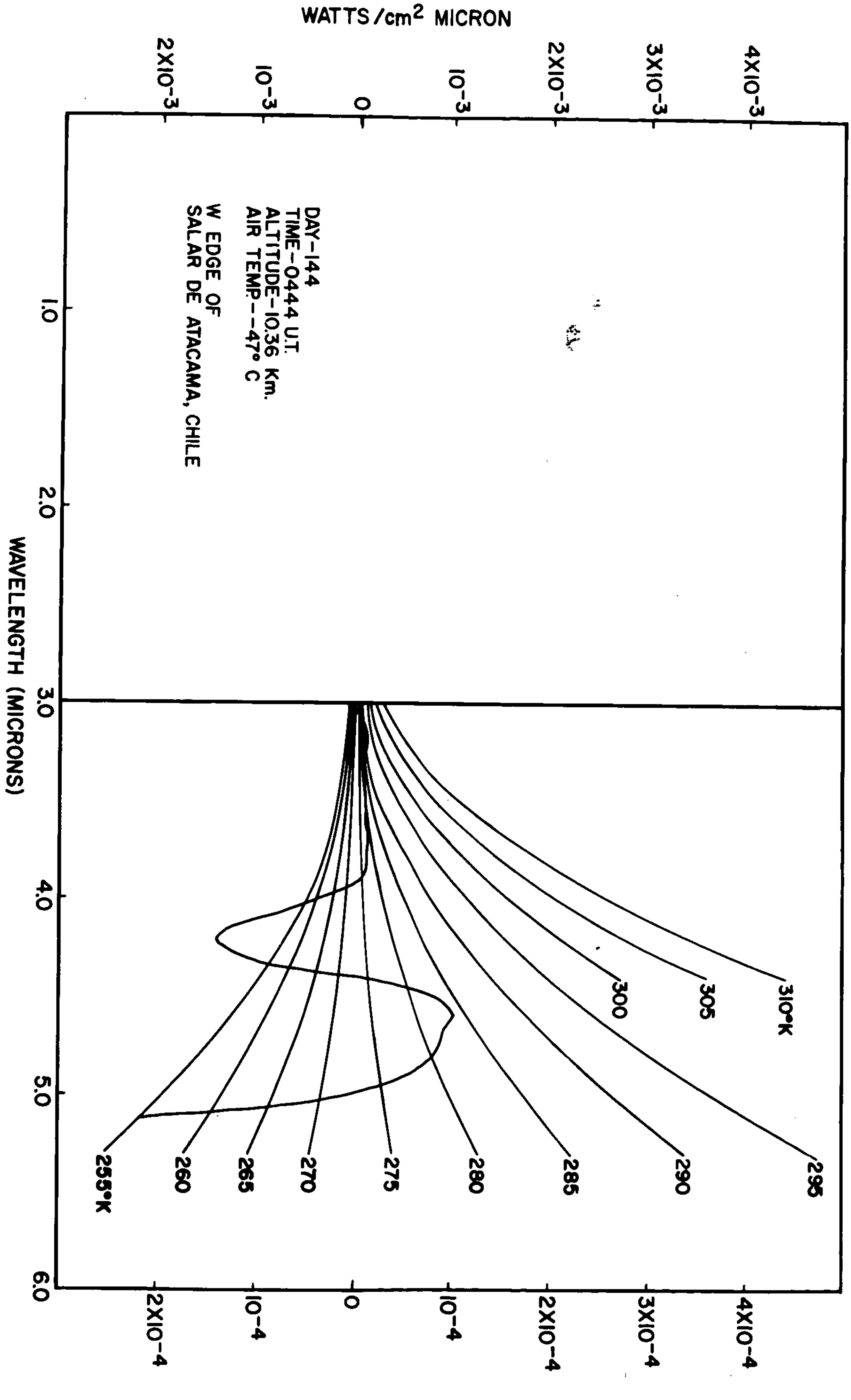


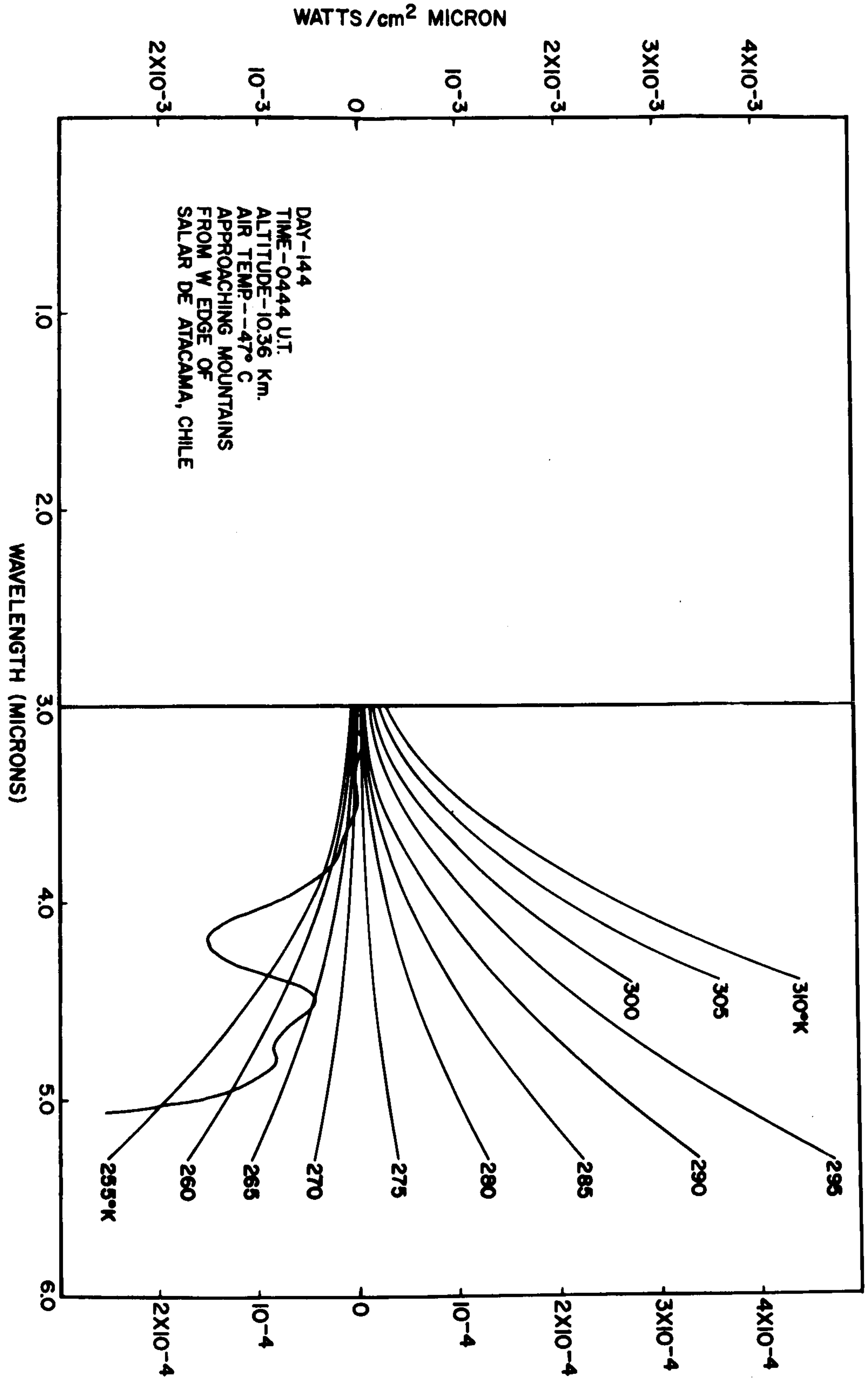
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0442 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0443 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

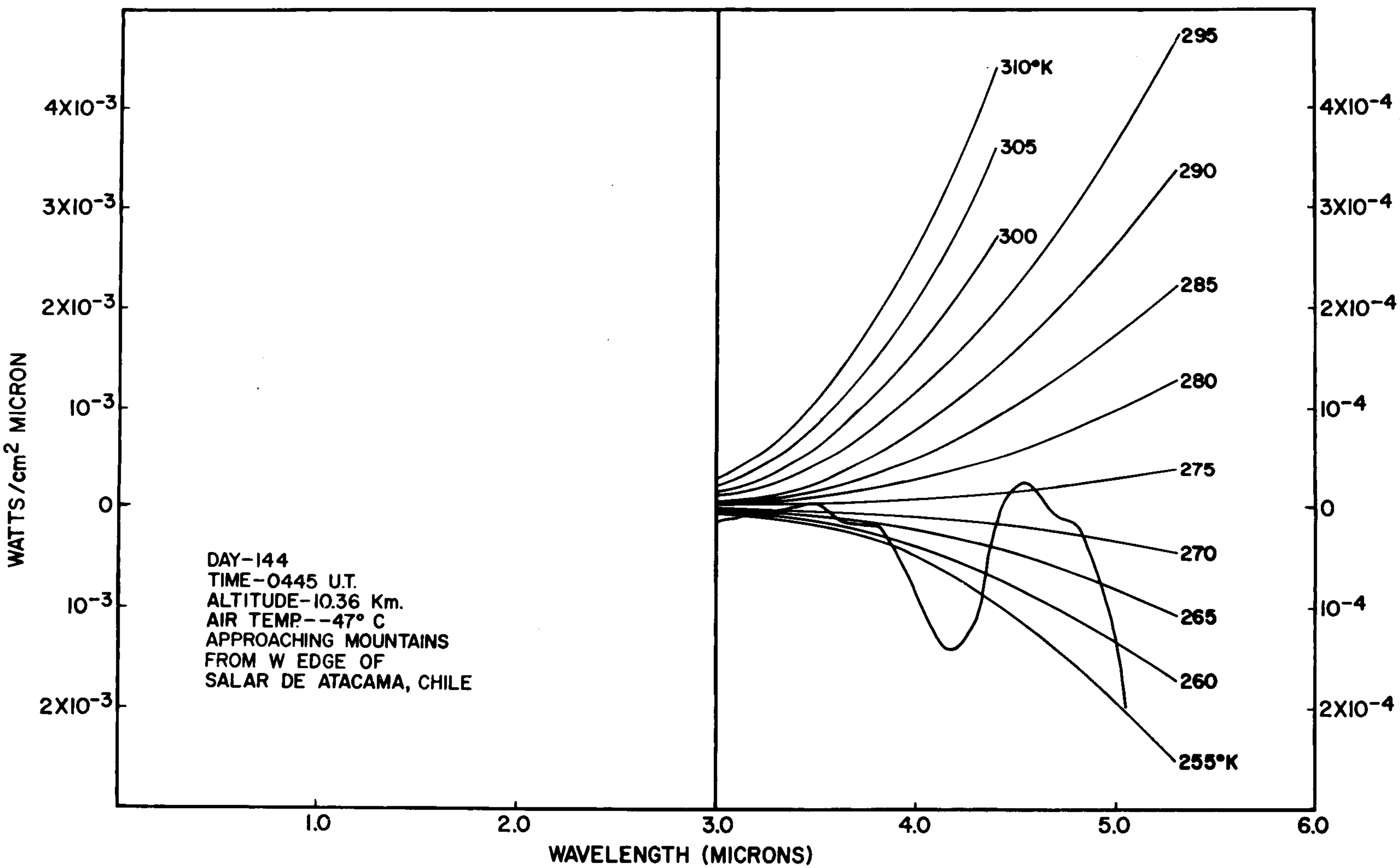


WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0443 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

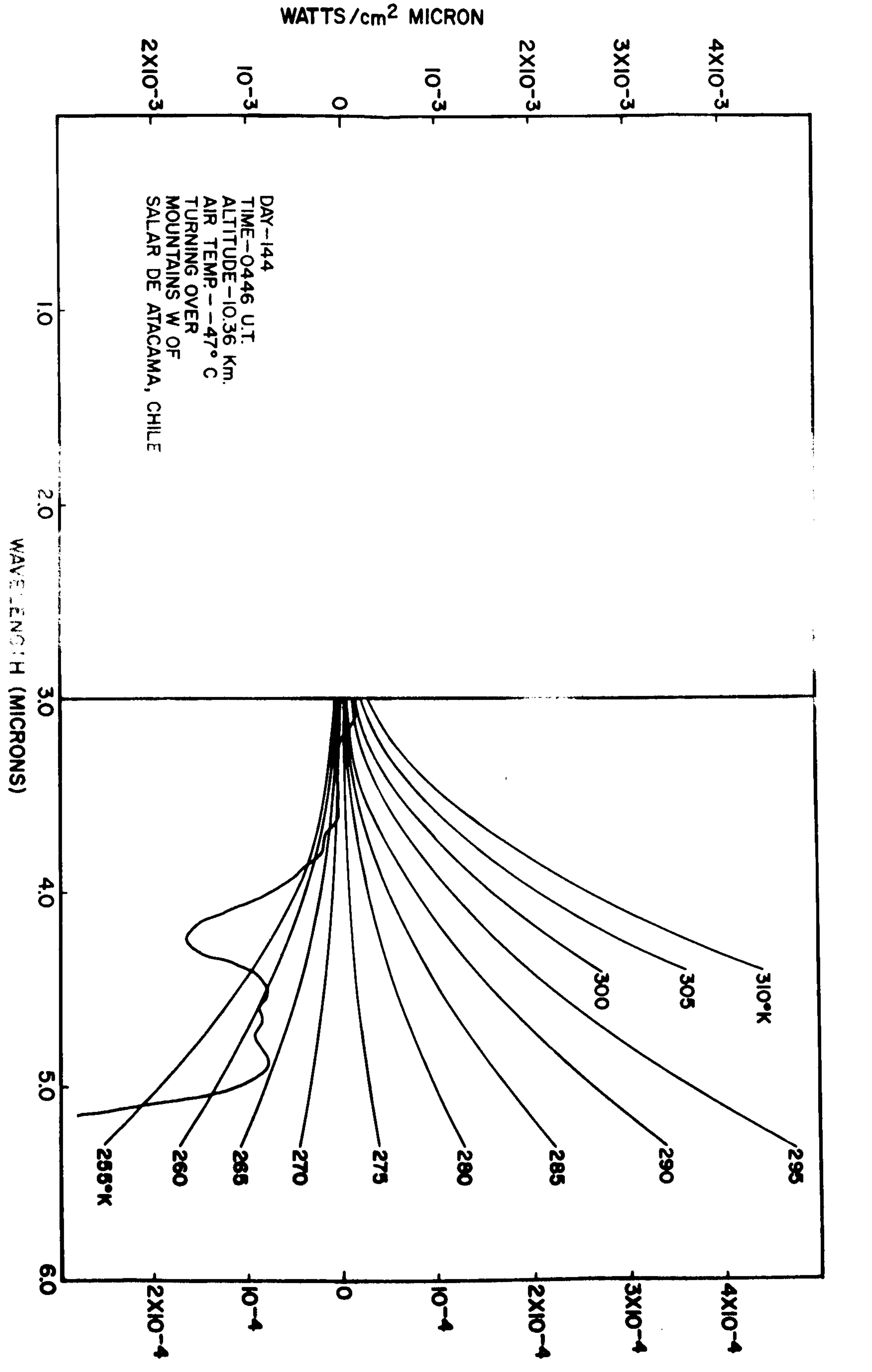

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0444 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

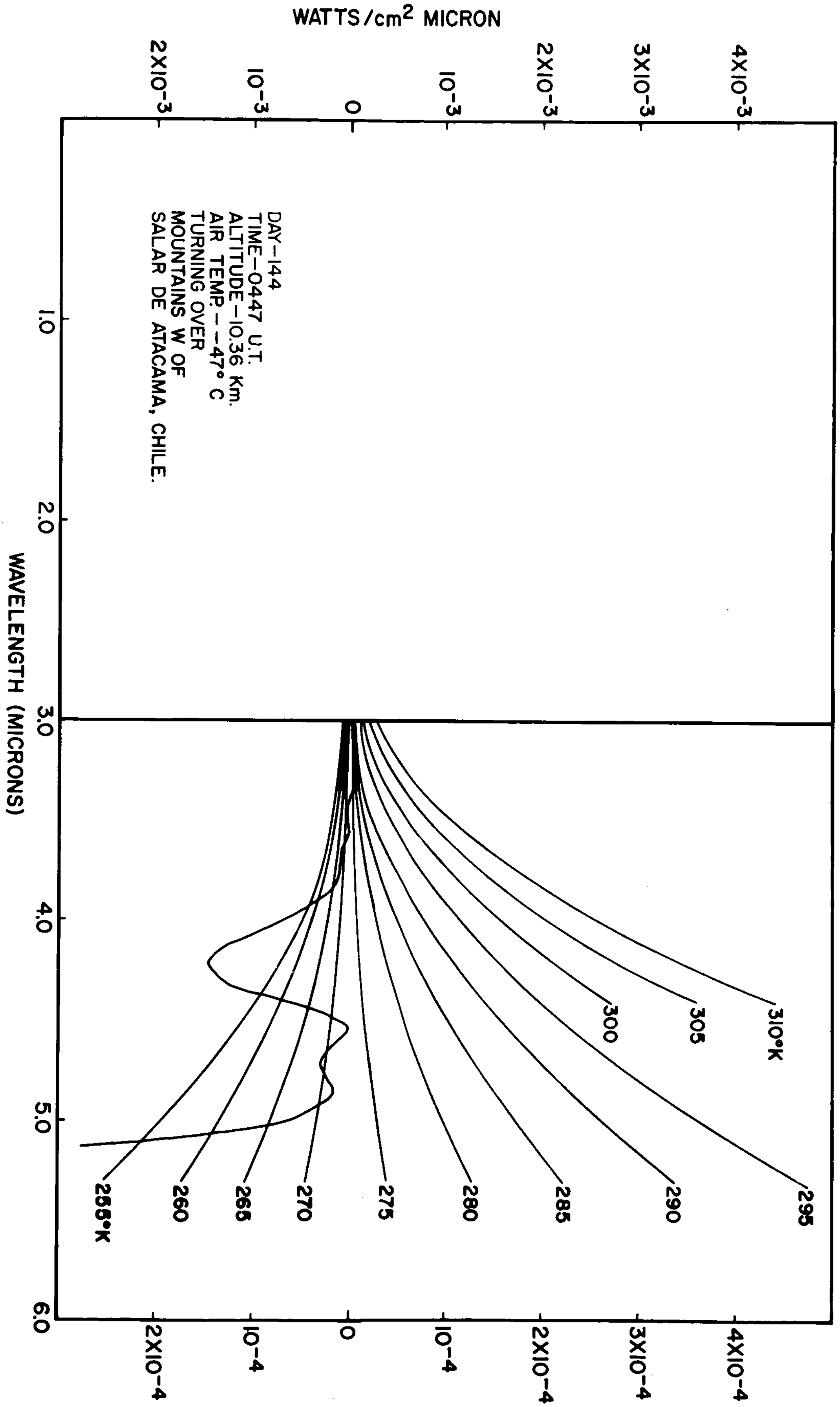


WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0444 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM W EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

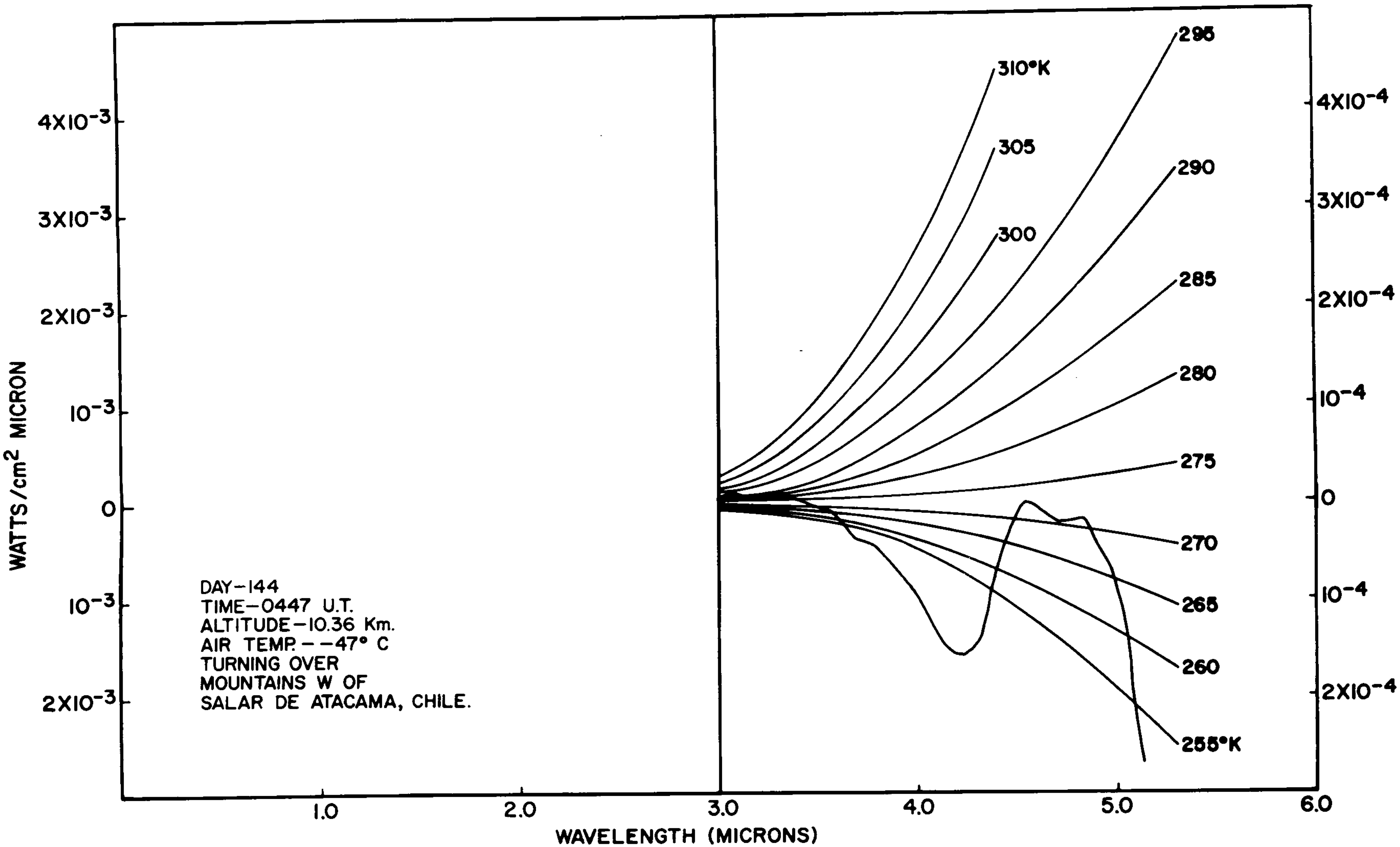


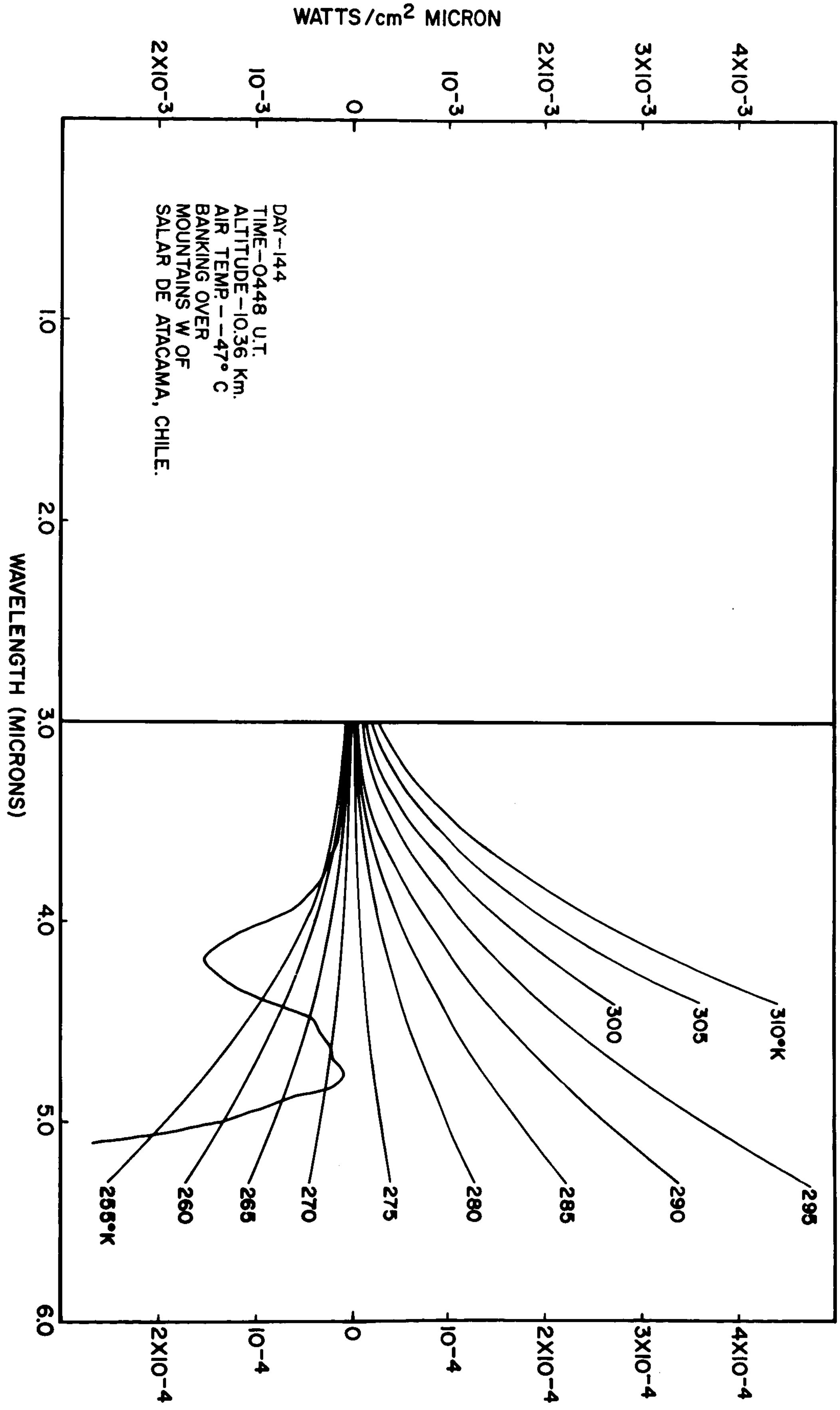
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0445 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM W EDGE OF
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

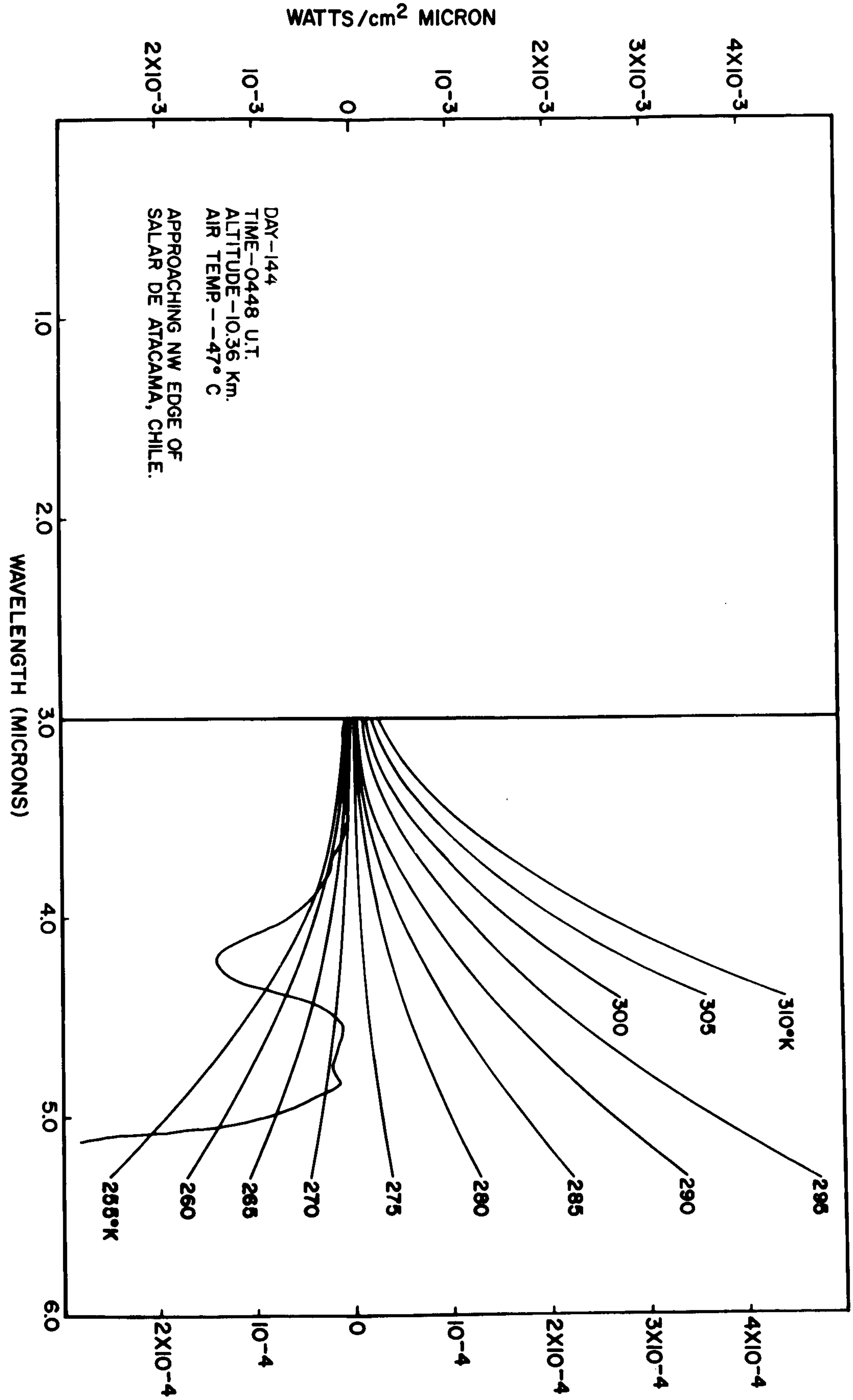

WATTS/cm² MICRON
DAY-144
TIME-0446 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE
WAVELENGTH (MICRONS)
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
310°K
305
300
295
290
285
280
275
270
265
260
255°K

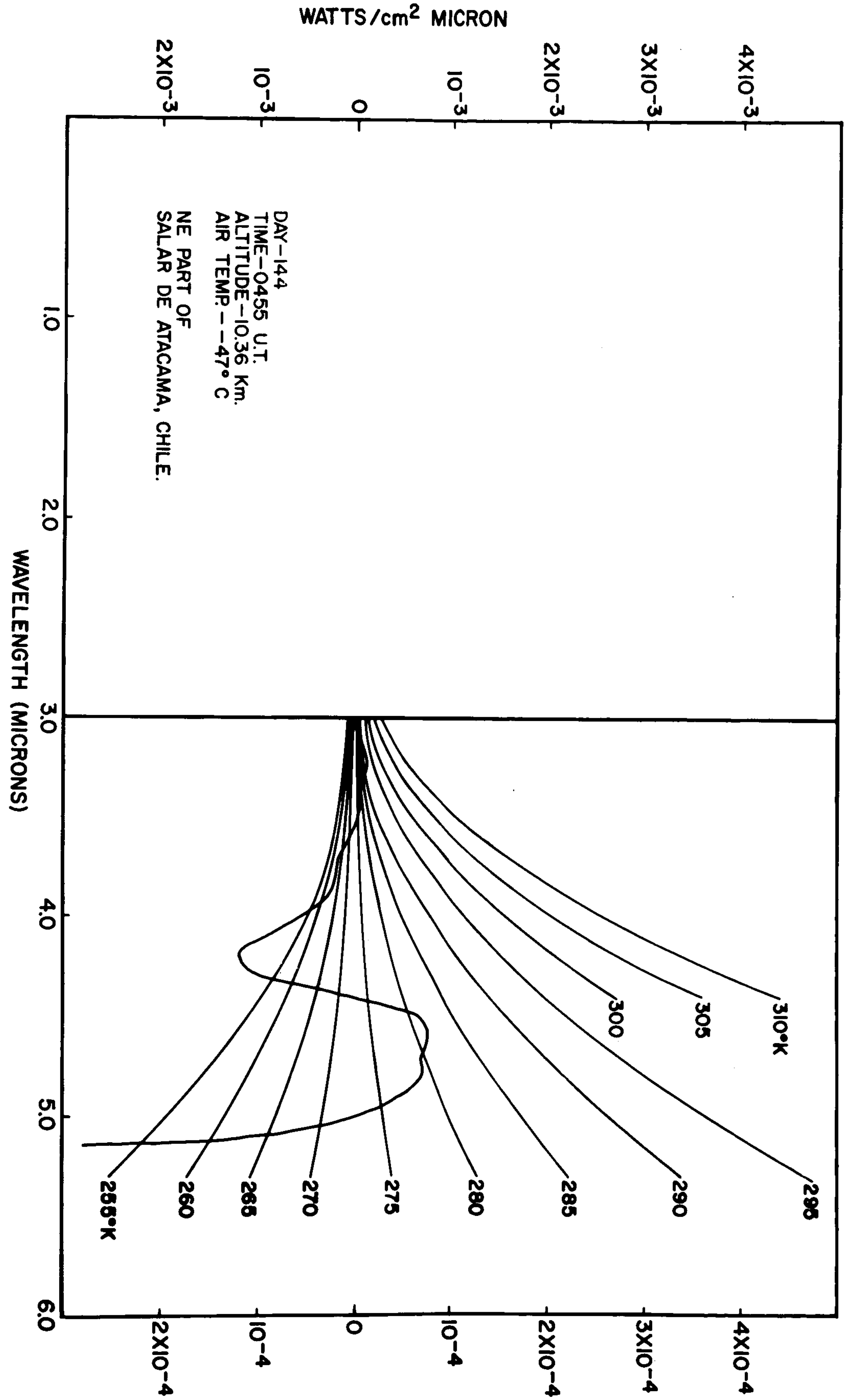


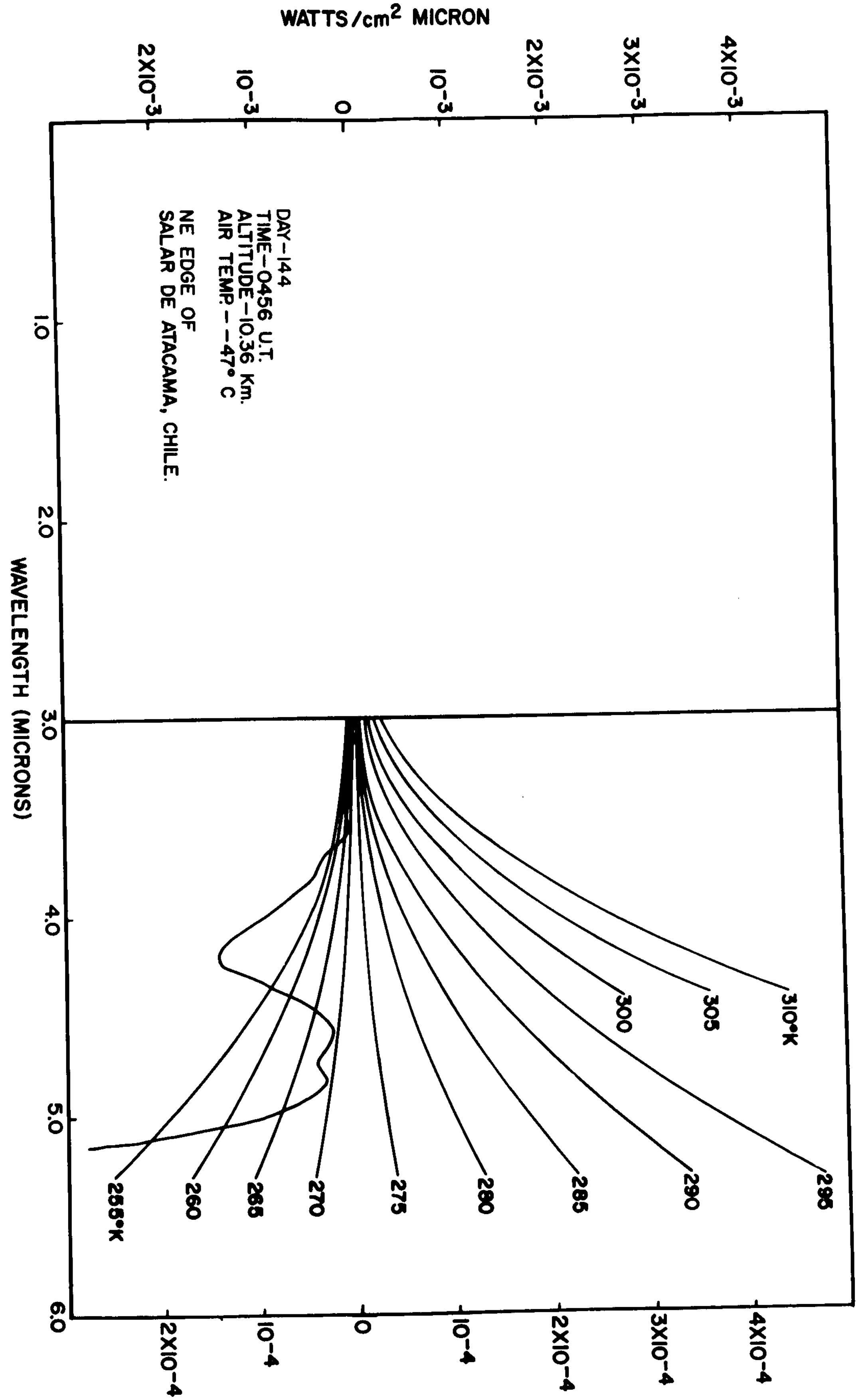
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0447 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-144
TIME-0447 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.

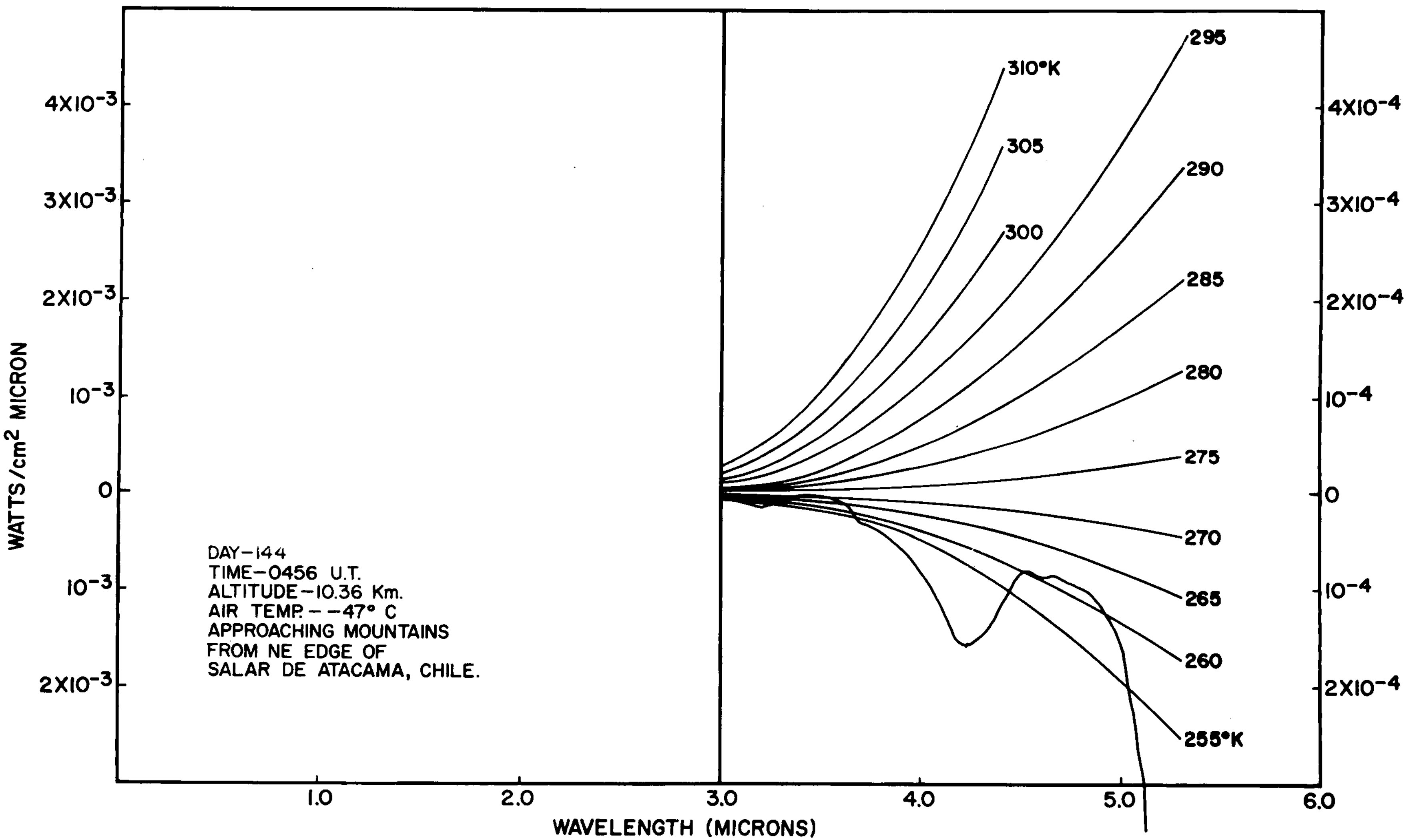

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0448 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
BANKING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

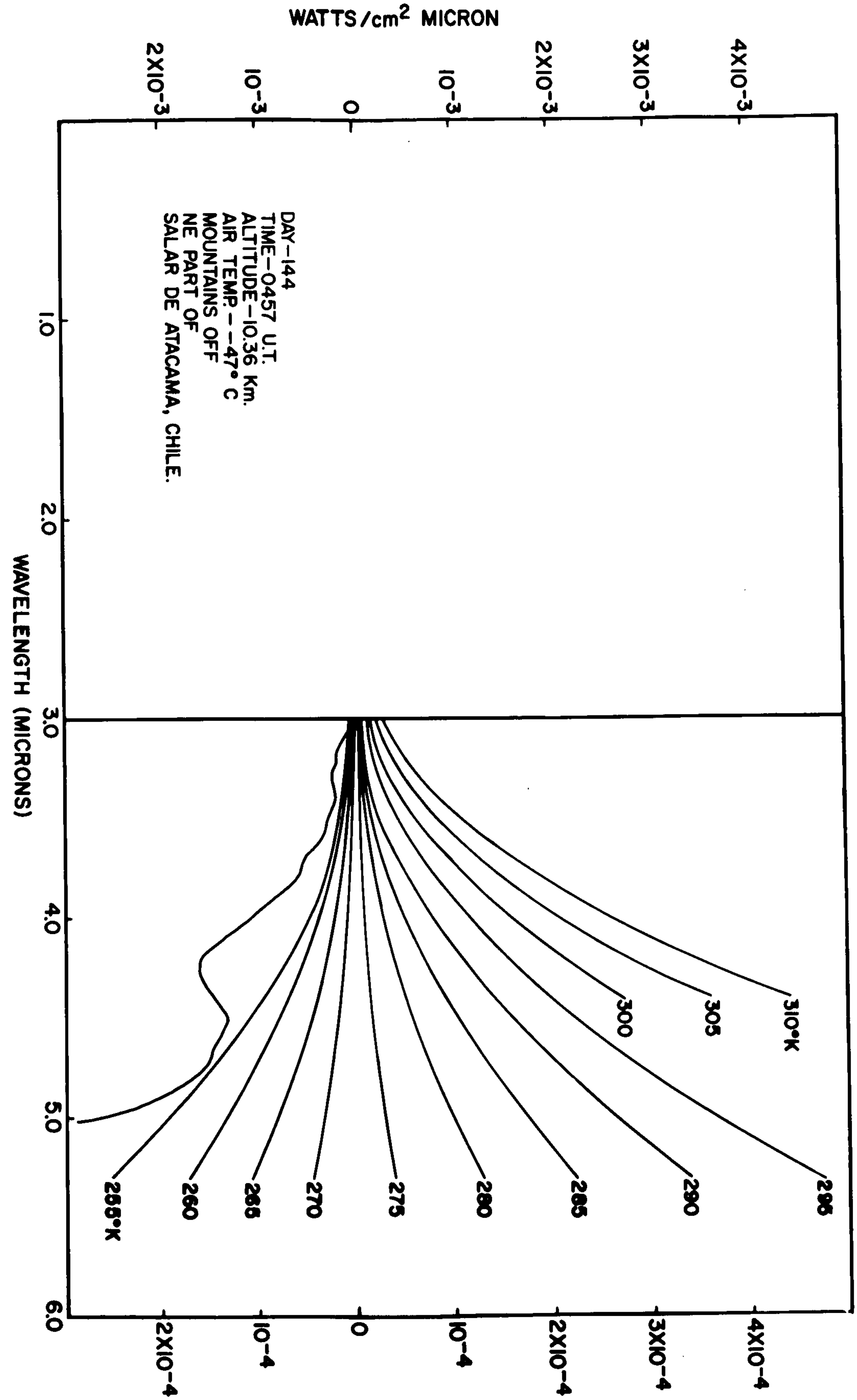

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0448 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
APPROACHING NW EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

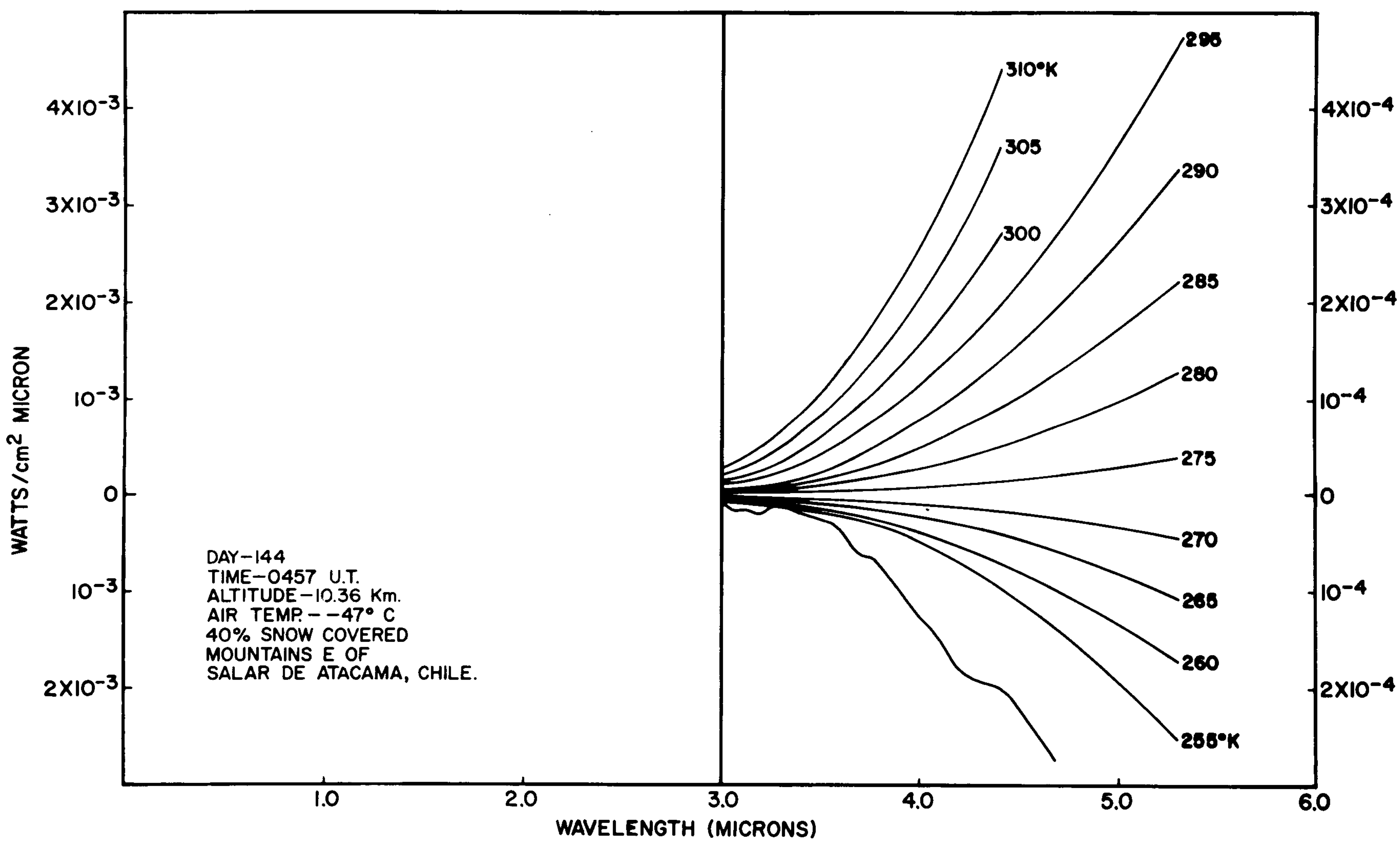

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0455 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
NE PART OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



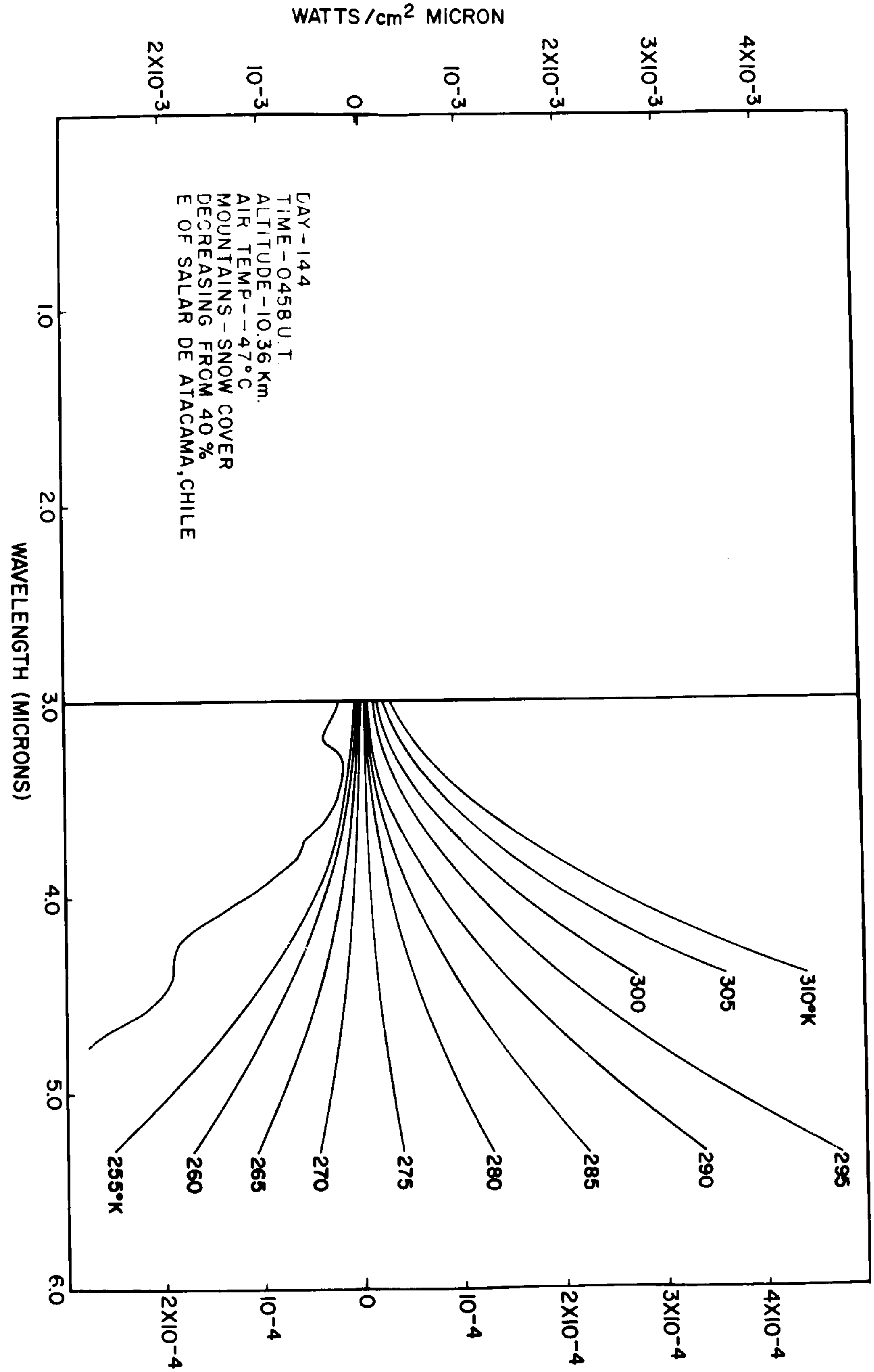
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0456 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
NE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

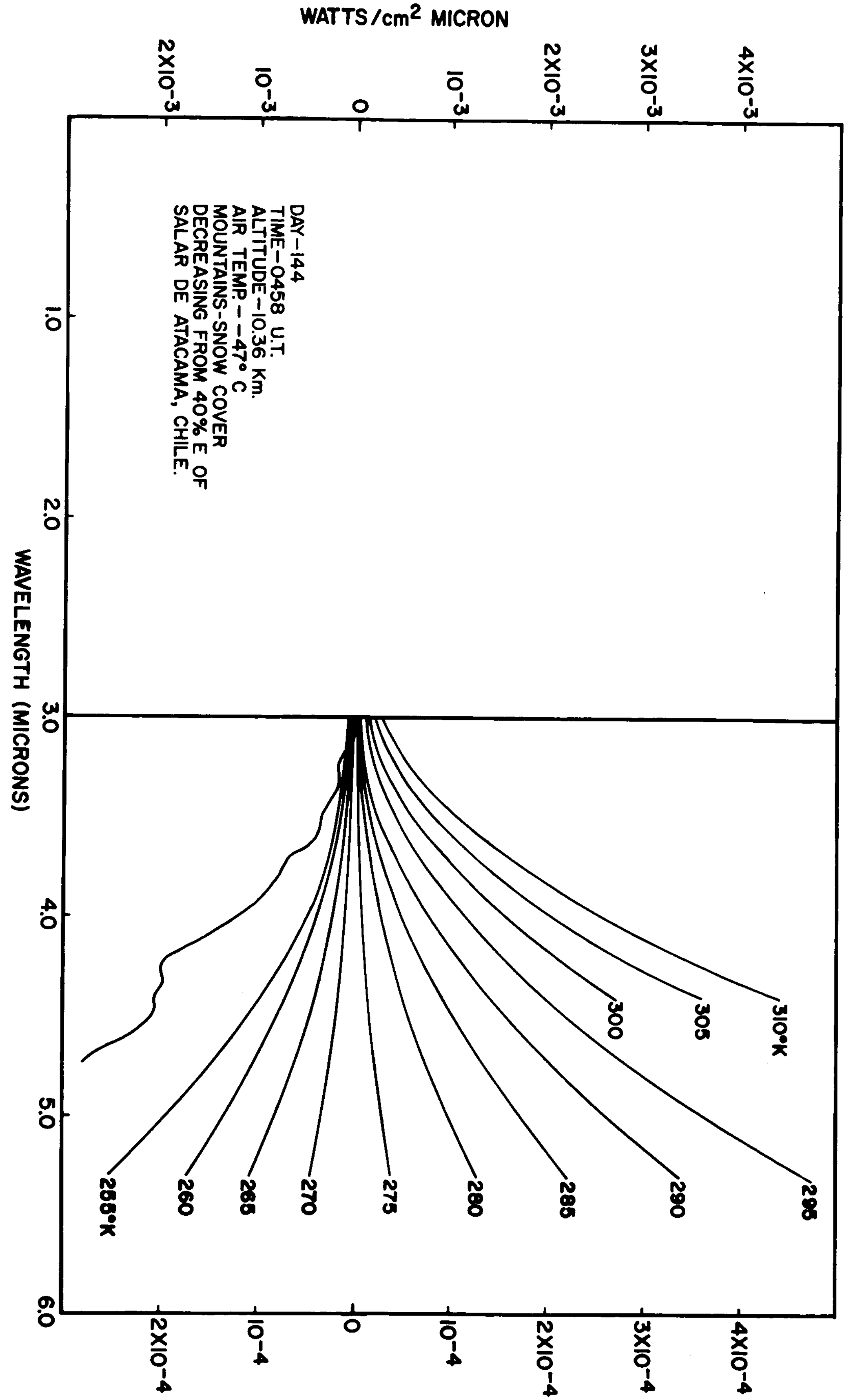

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0456 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
APPROACHING MOUNTAINS
FROM NE EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0457 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
MOUNTAINS OFF
NE PART OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

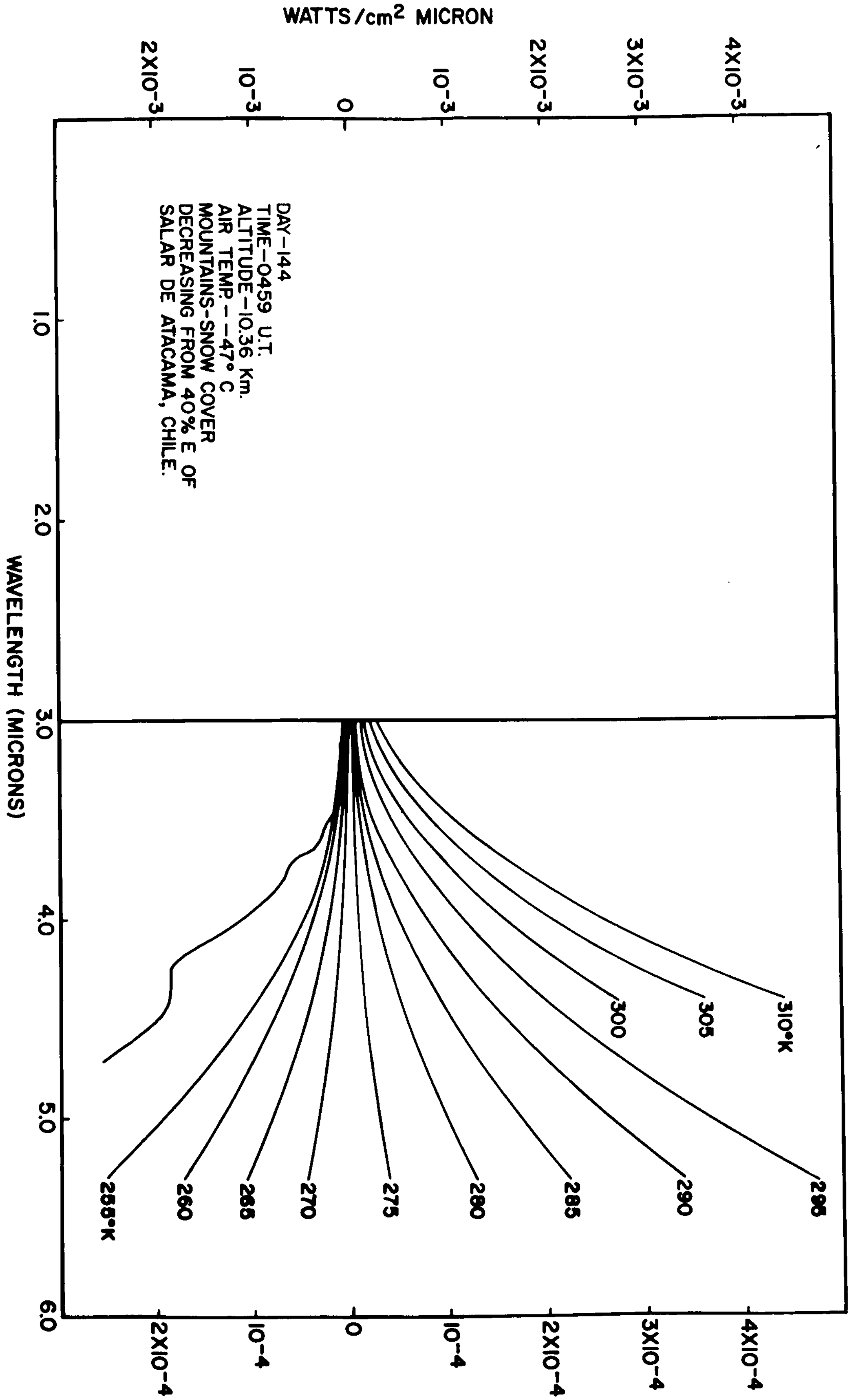


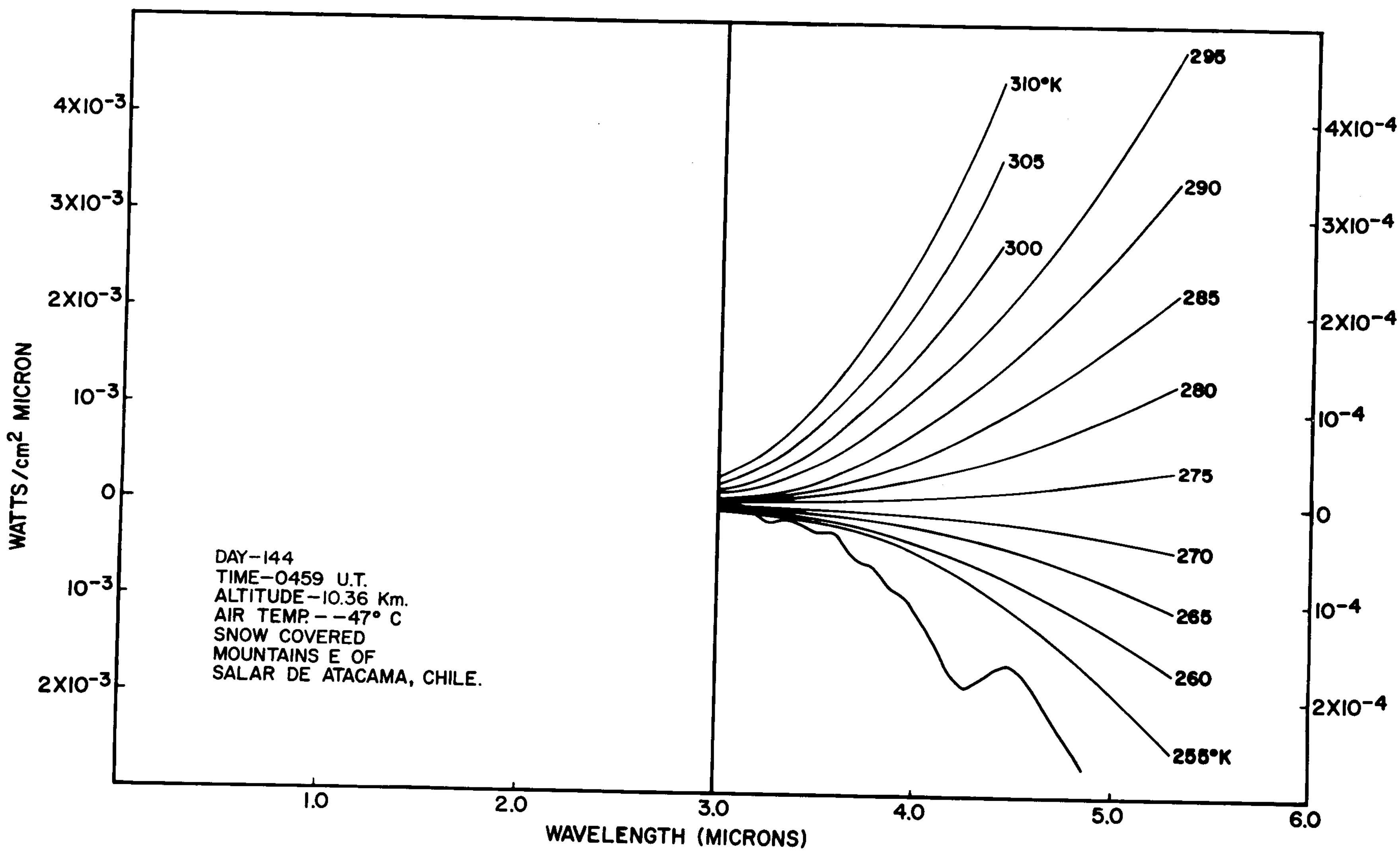
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0457 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
40% SNOW COVERED
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

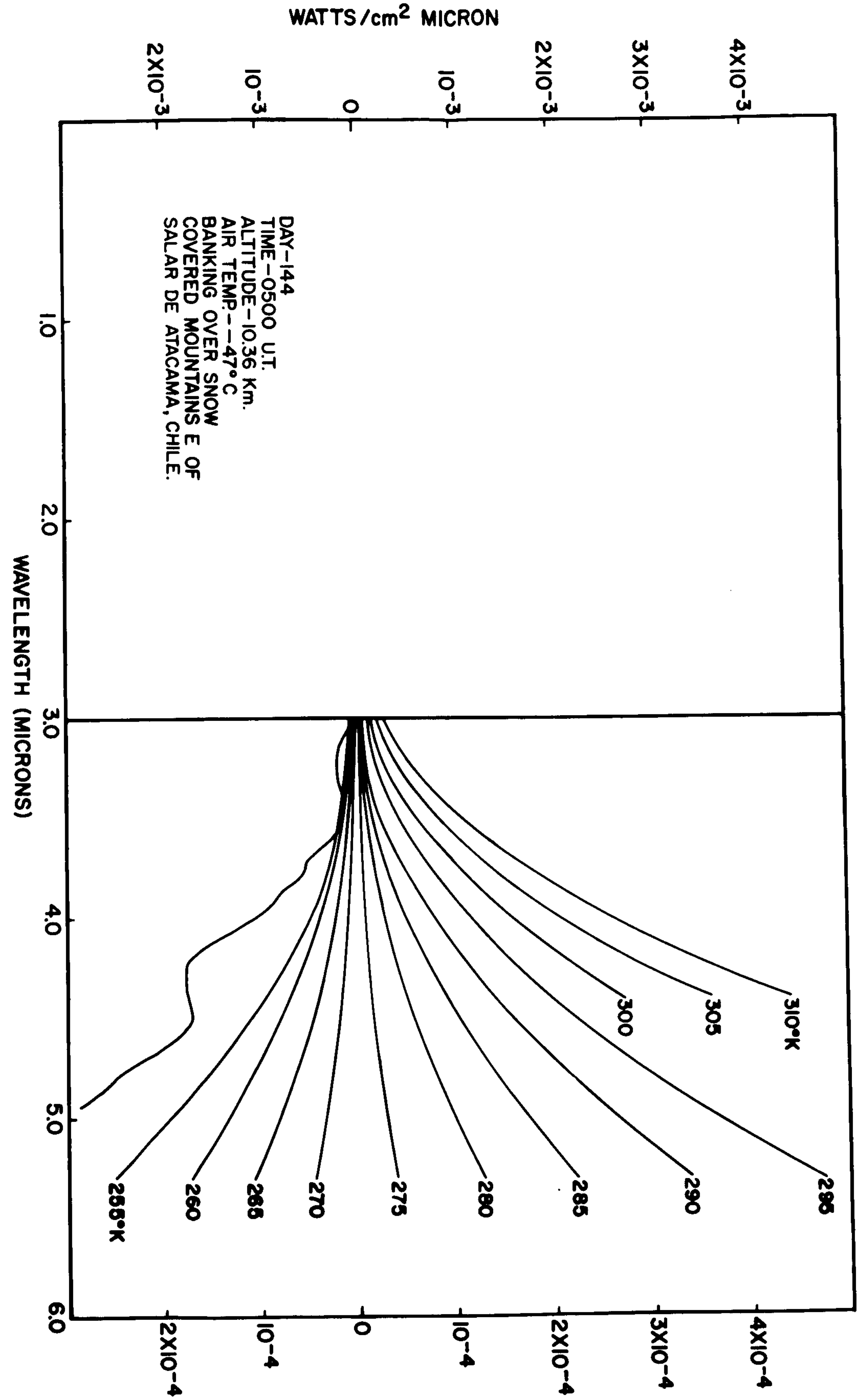

WATTS /cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0458 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47°C
MOUNTAINS-SNOW COVER
DECREASING FROM 40 %
E OF SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

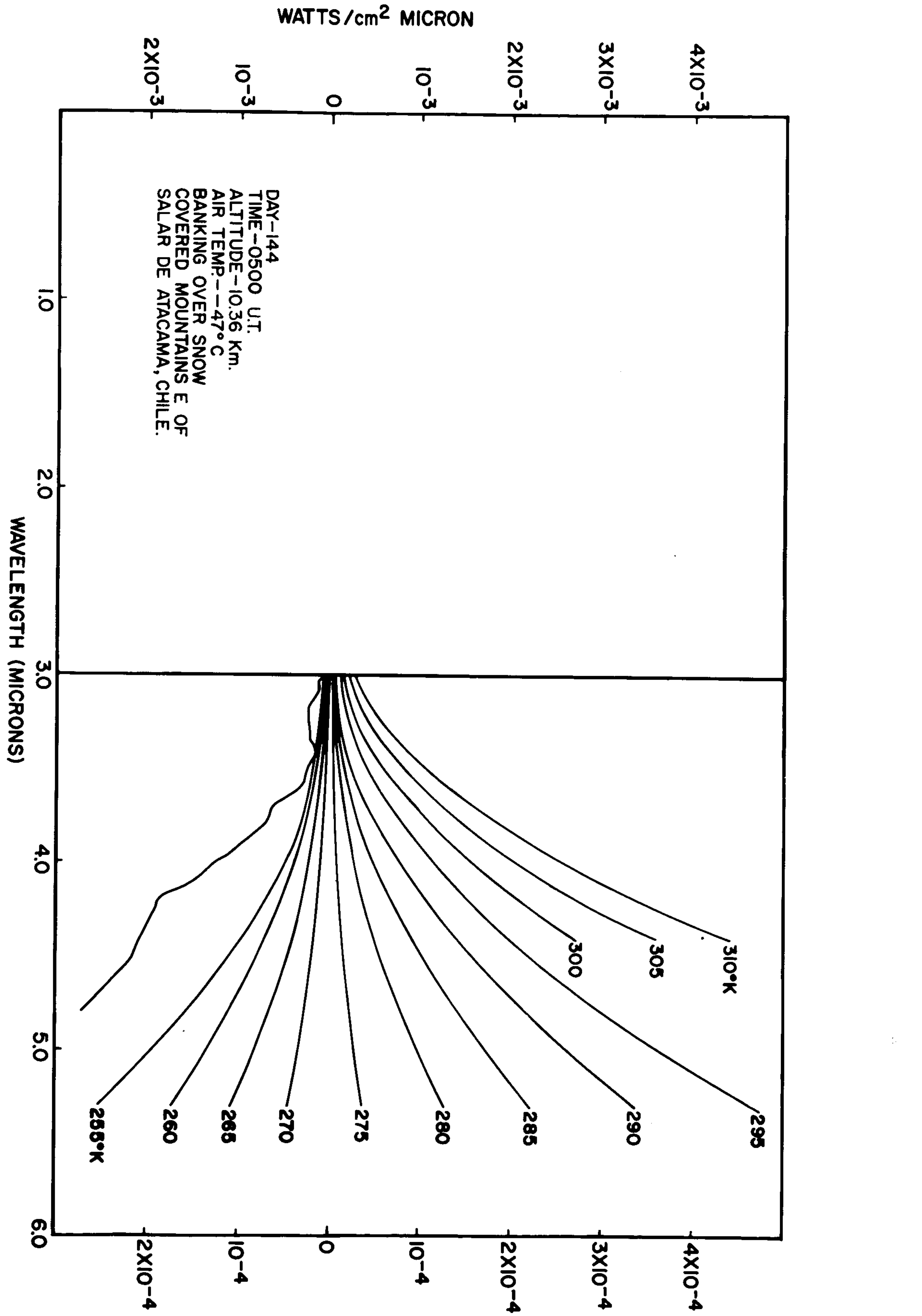


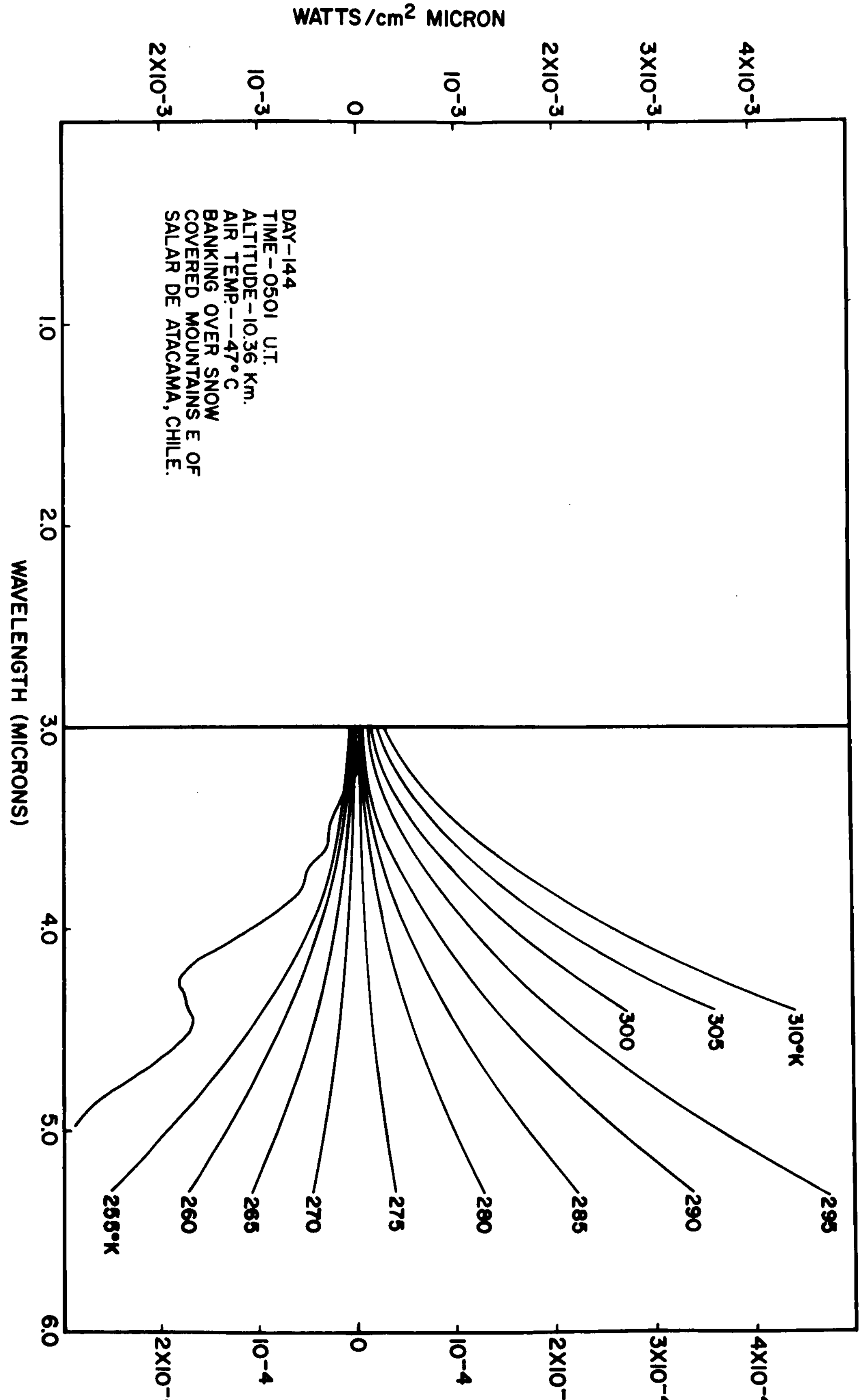
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0458 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
MOUNTAINS-SNOW COVER
DECREASING FROM 40% E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

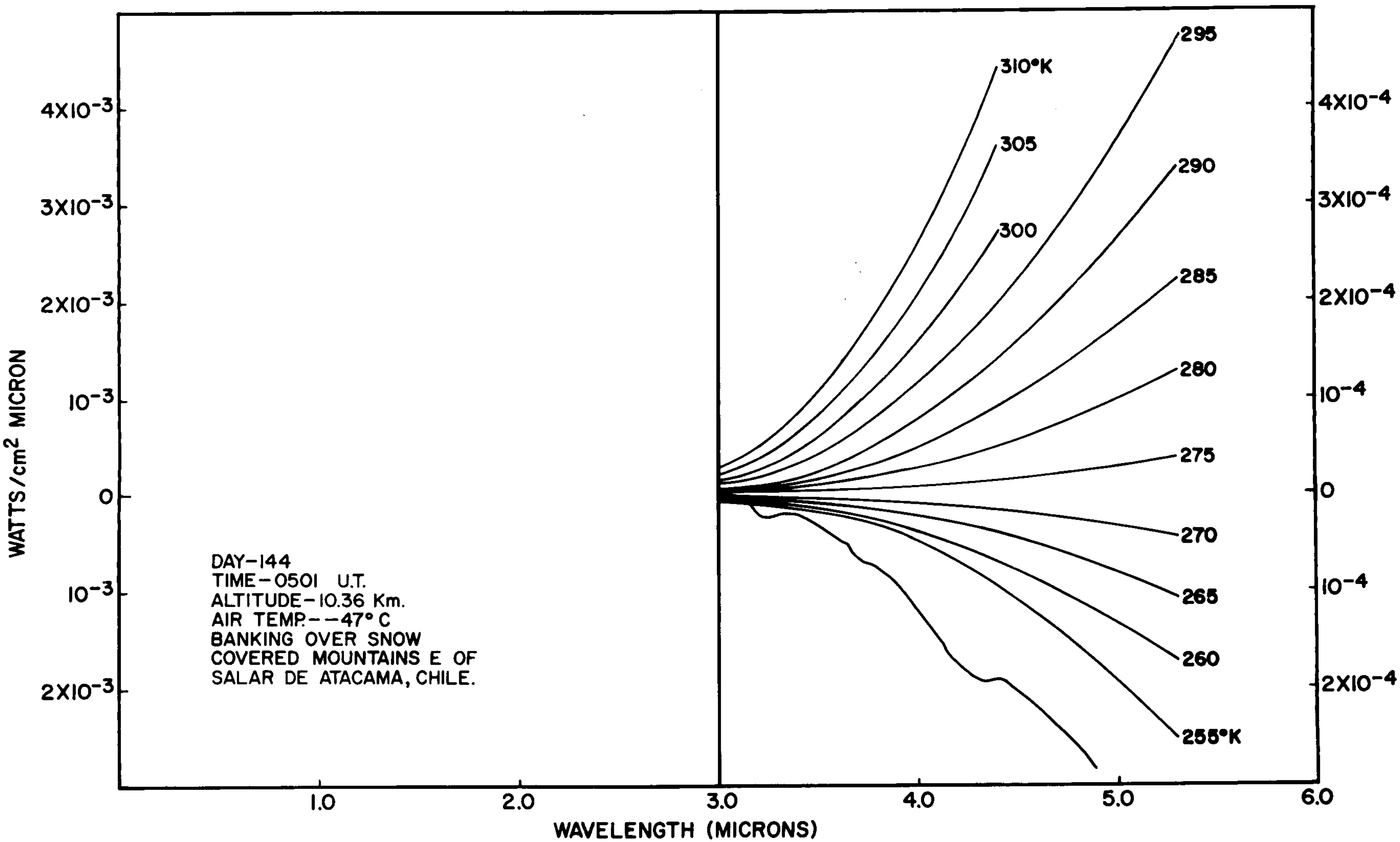

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0459 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
MOUNTAINS-SNOW COVER
DECREASING FROM 40% E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0459 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
SNOW COVERED
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

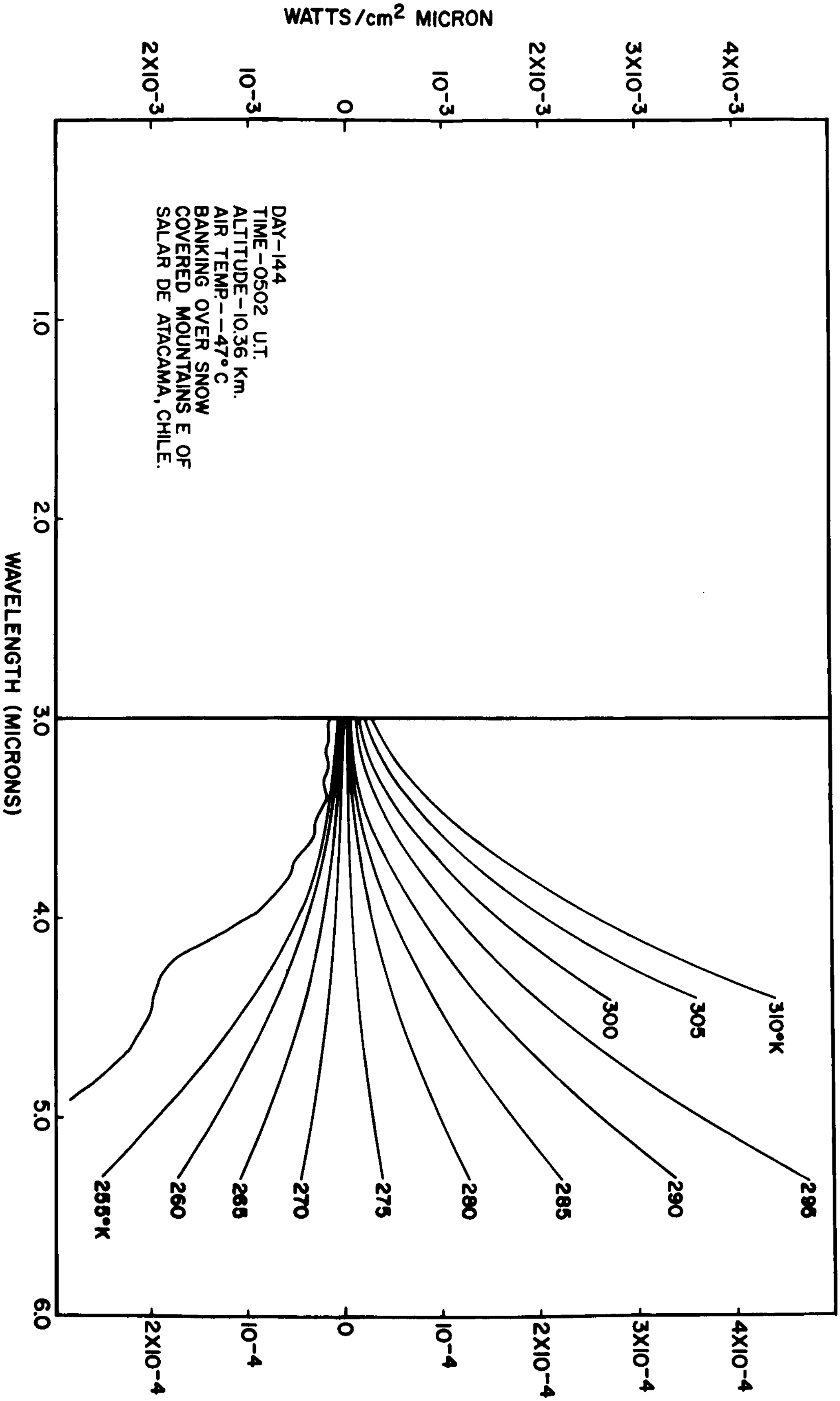

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0500 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

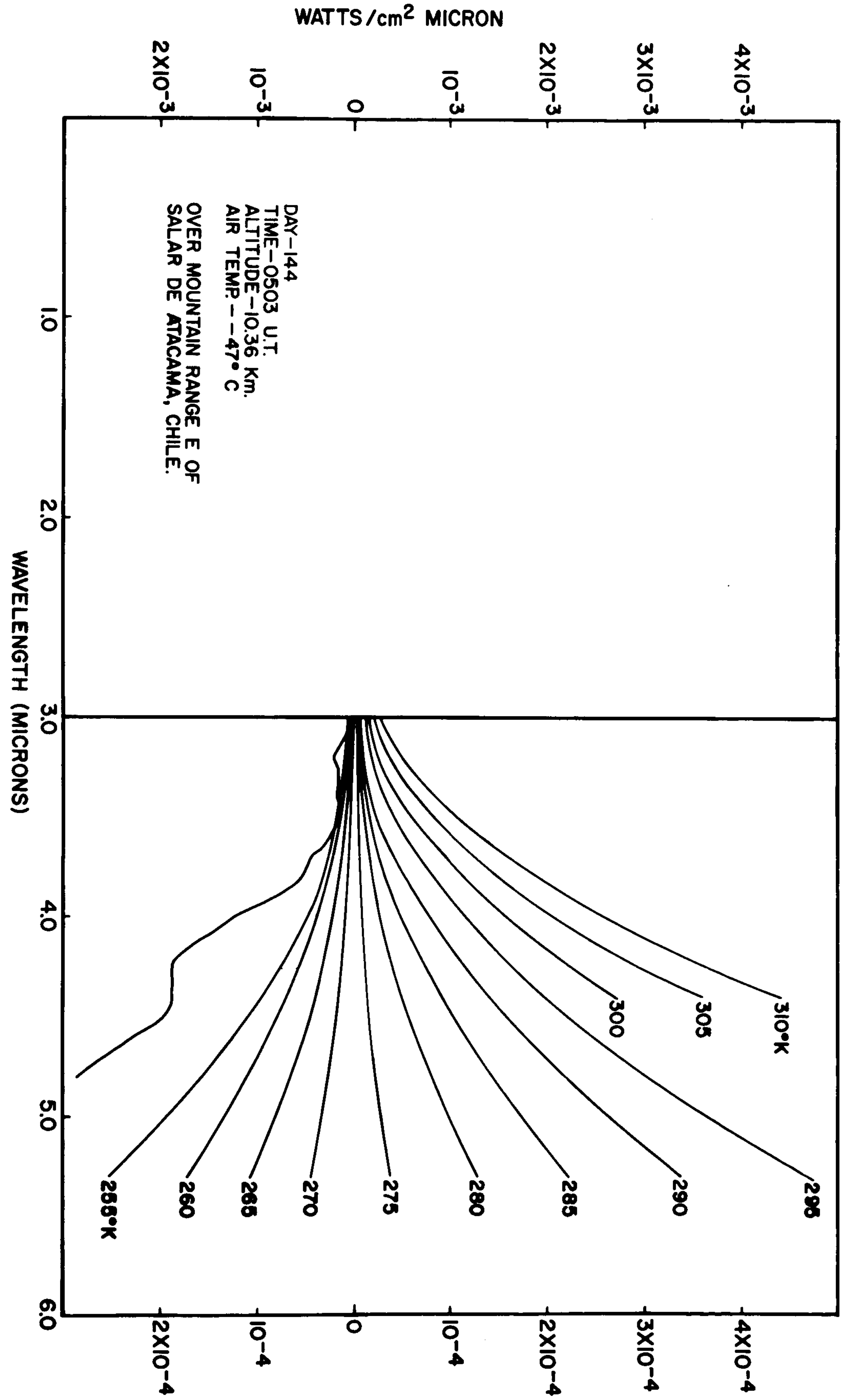

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0500 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm^2 MICRON
4×10^{-3}
3×10^{-3}
2×10^{-3}
10^{-3}
0
10^{-3}
2×10^{-3}
DAY-144
TIME-0501 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4×10^{-4}
3×10^{-4}
2×10^{-4}
10^{-4}
0
10^{-4}
2×10^{-4}

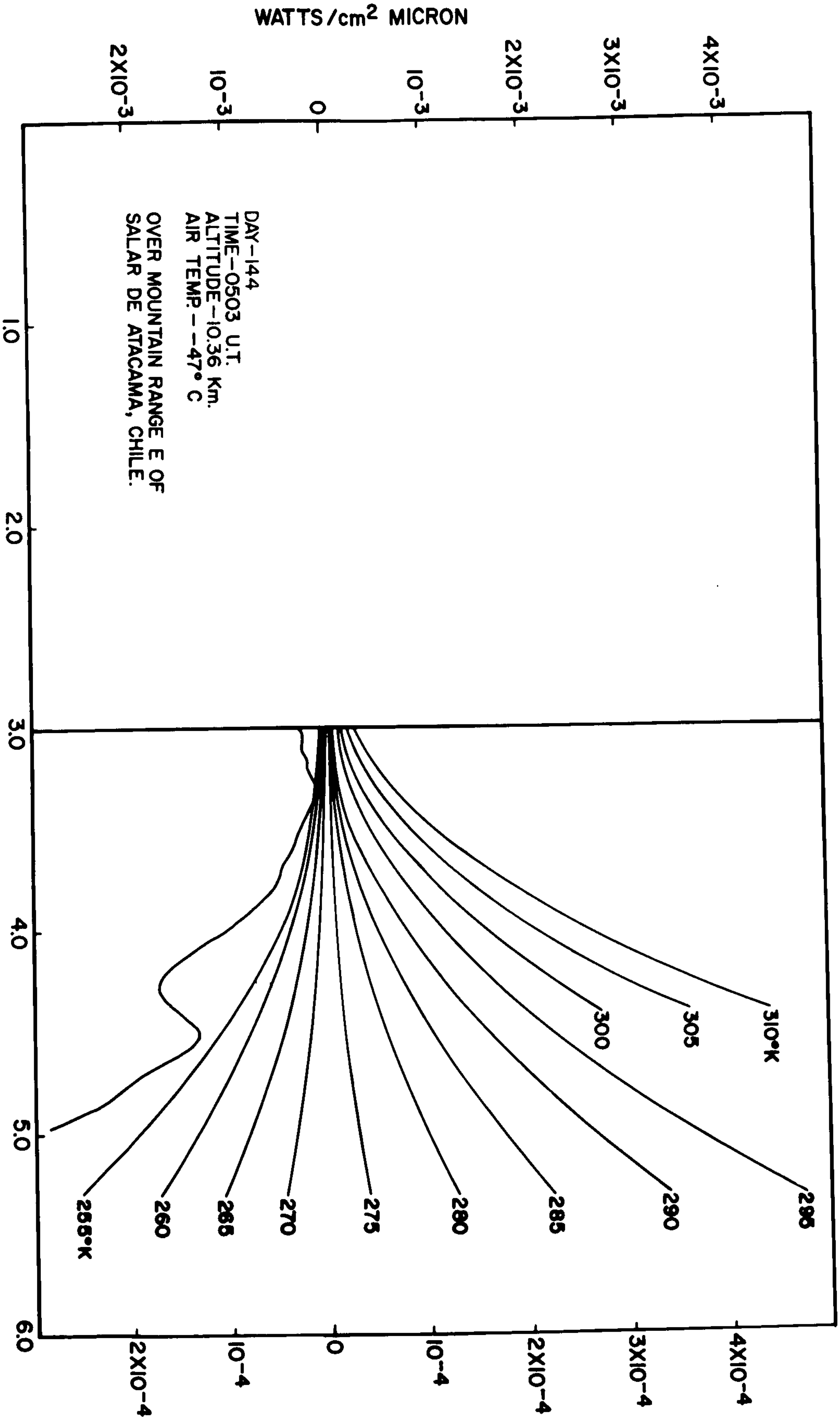


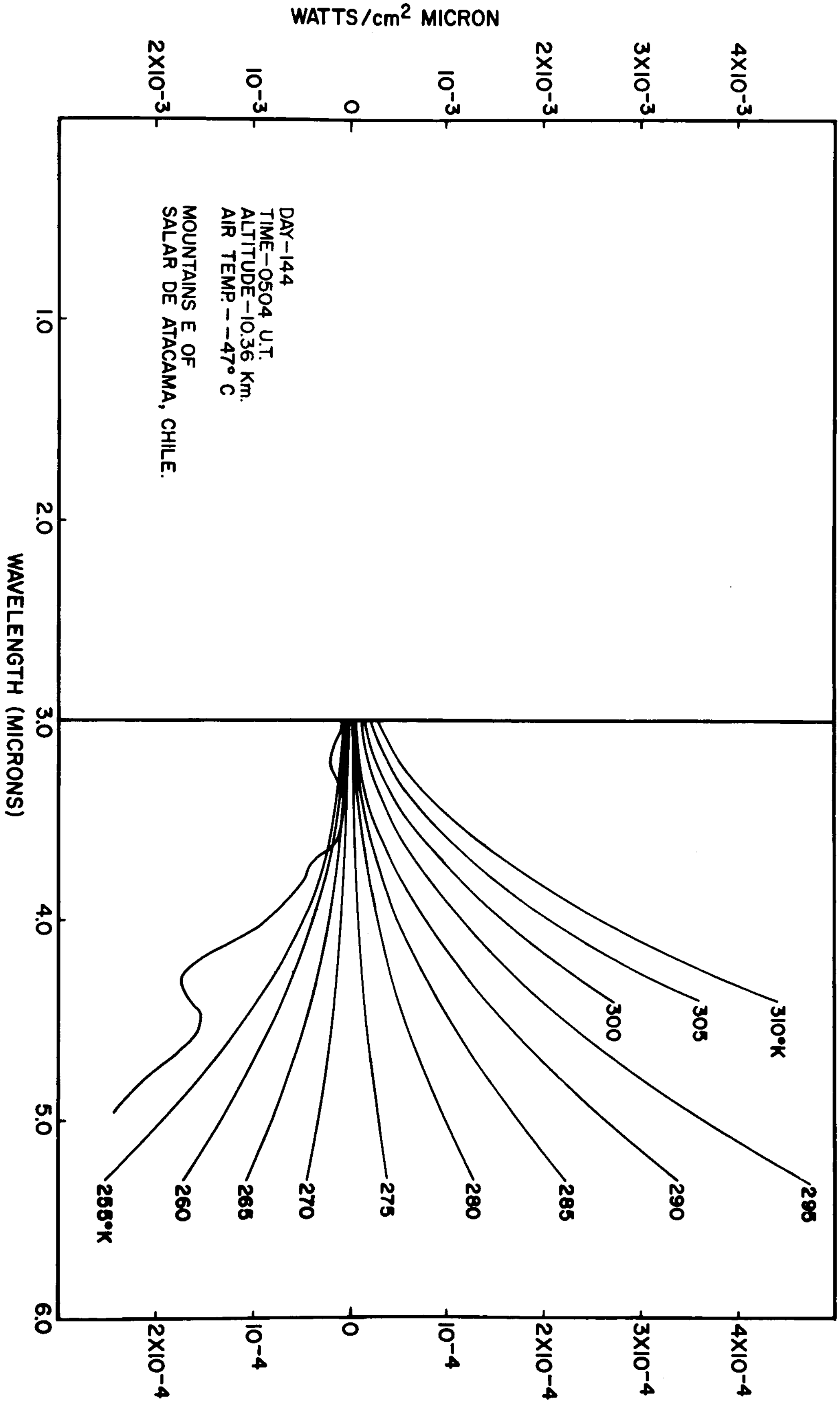
DAY-144
TIME-0501 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
WAVELENGTH (MICRONS)
1.0
2.0
3.0
4.0
5.0
6.0
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
310°K
305
300
295
290
285
280
275
270
265
260
255°K

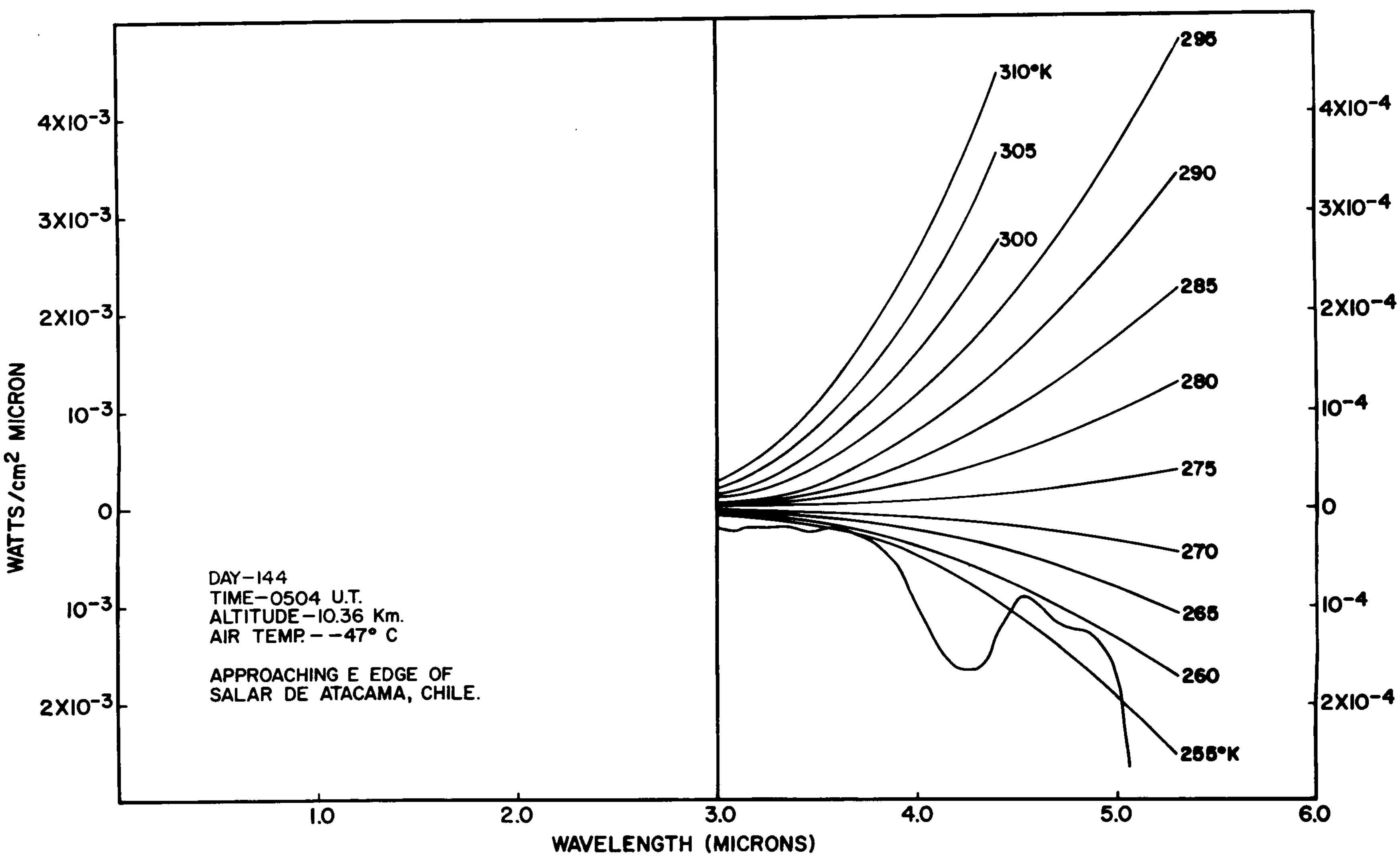

WATTS/cm² MICRON
DAY-144
TIME-0502 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
BANKING OVER SNOW
COVERED MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K



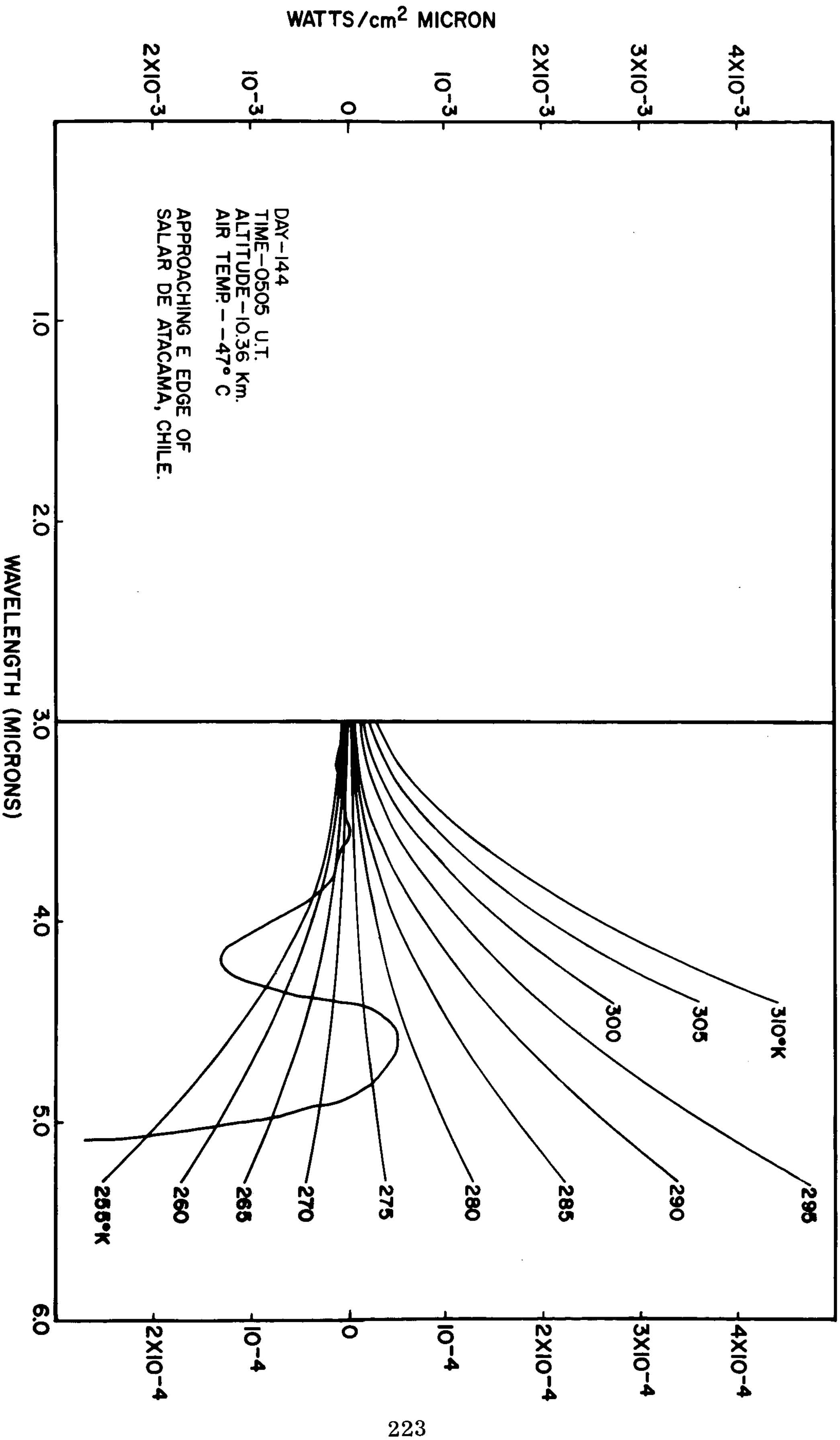
WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0503 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
OVER MOUNTAIN RANGE E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0503 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
OVER MOUNTAIN RANGE E OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

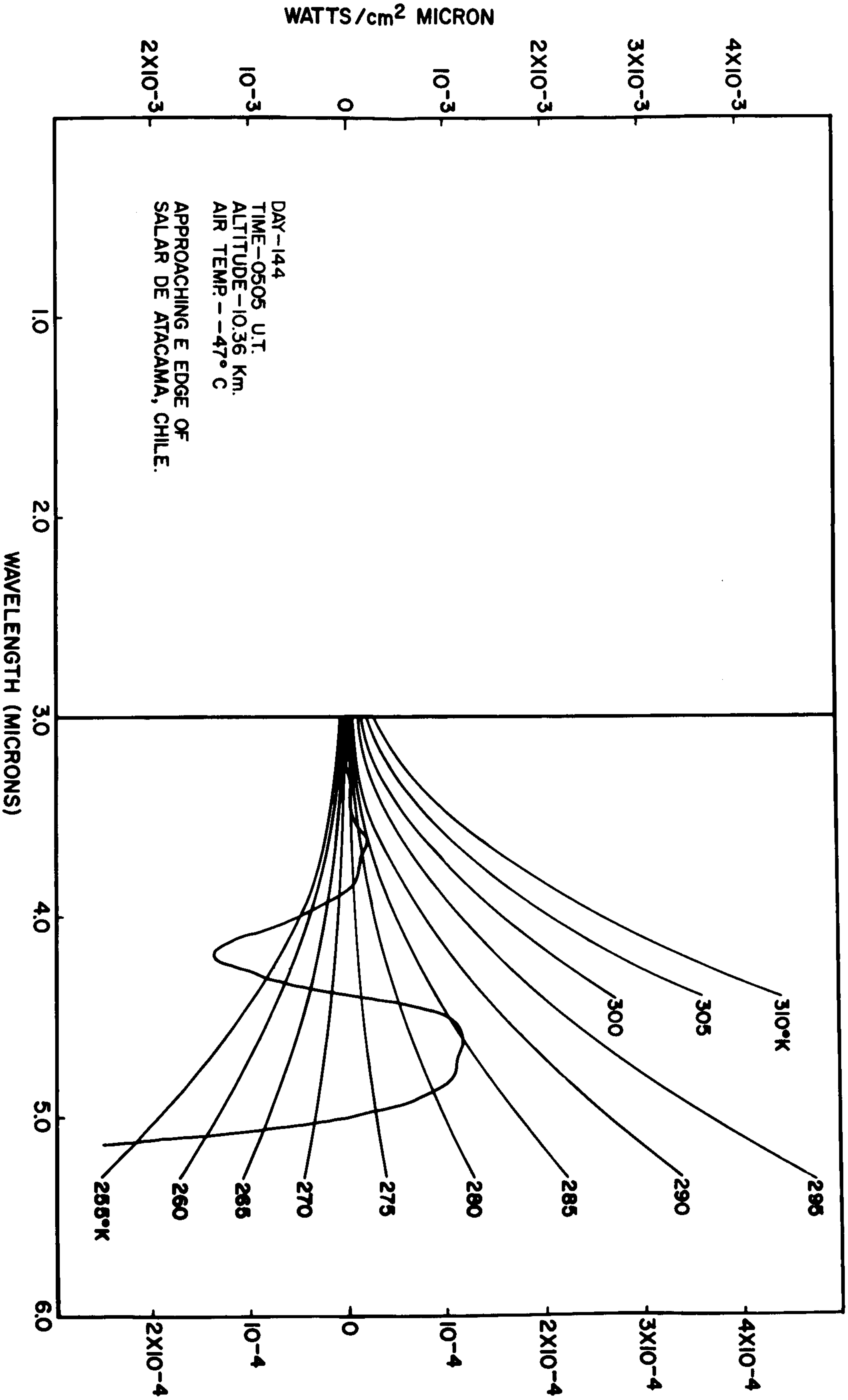

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0504 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
MOUNTAINS E OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

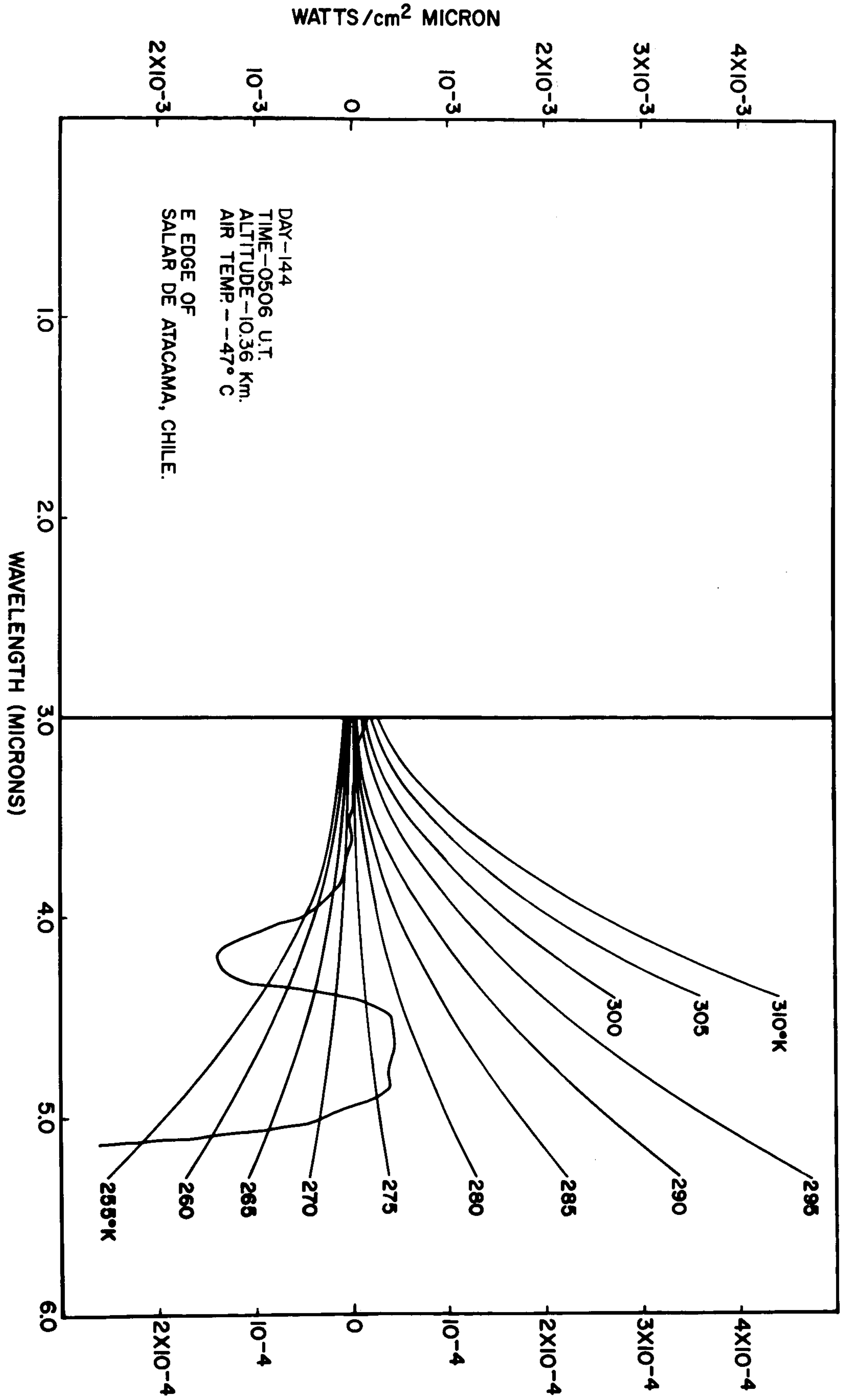


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0504 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

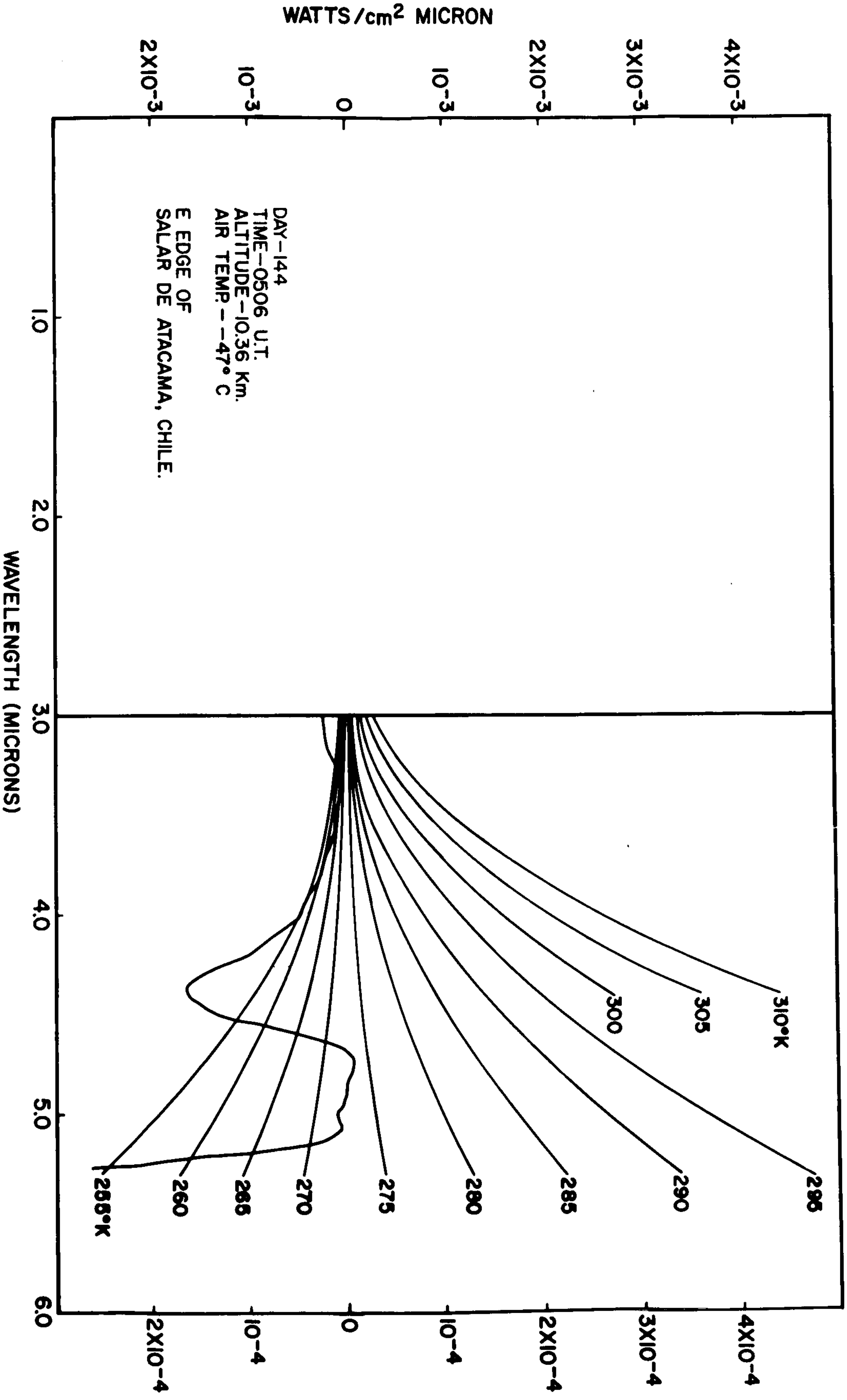


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0505 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

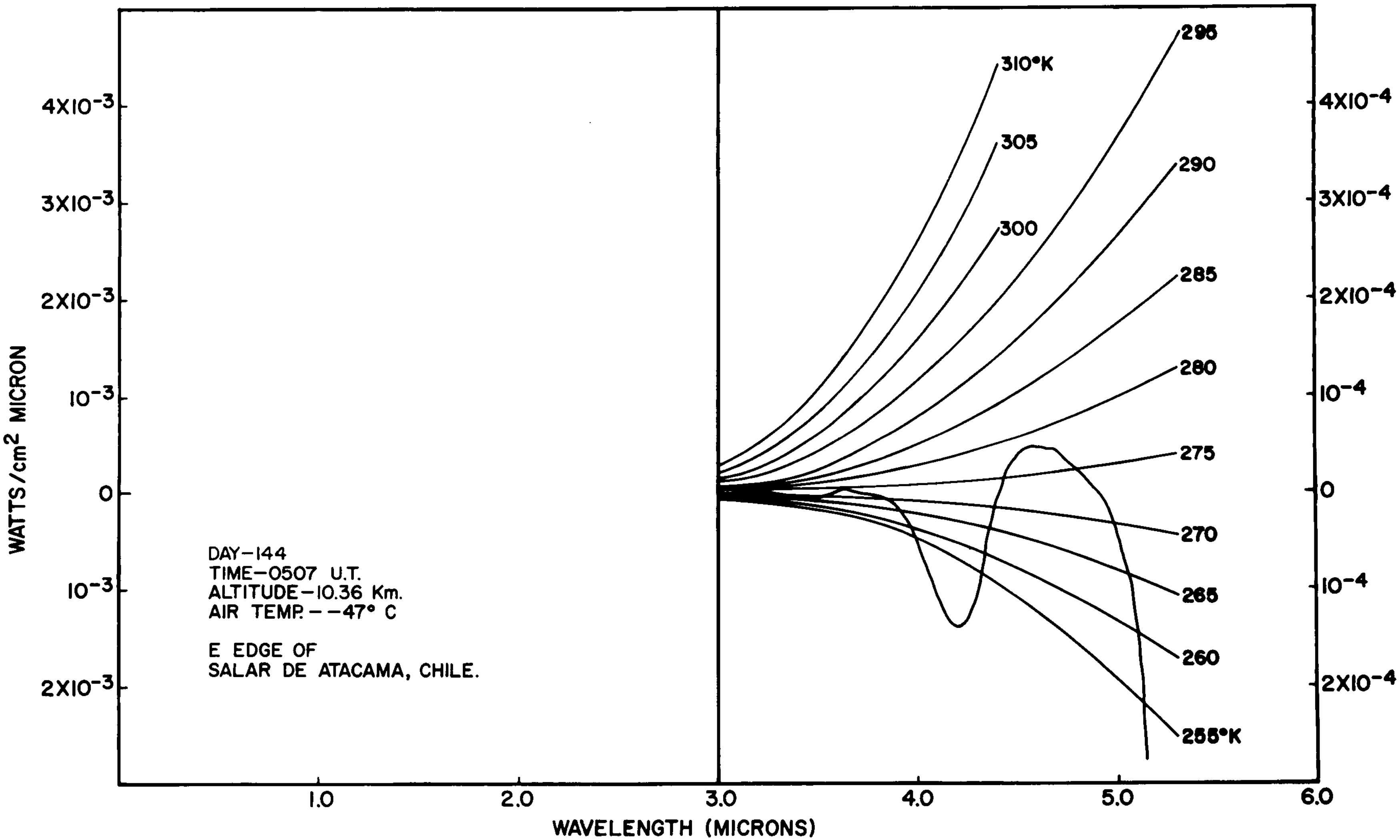

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0505 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
APPROACHING E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



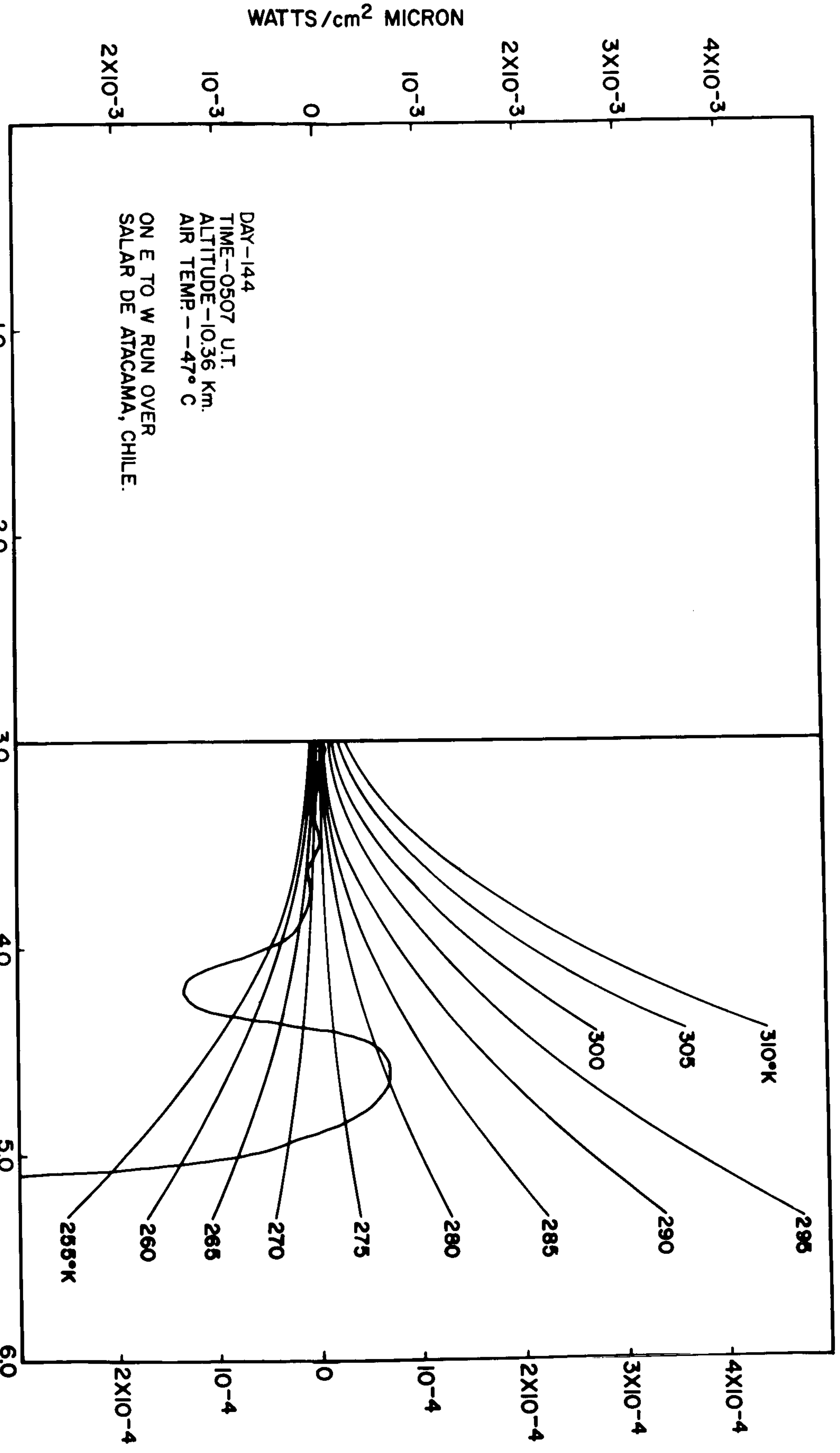
WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY–144
TIME–0506 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –47° C
E. EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

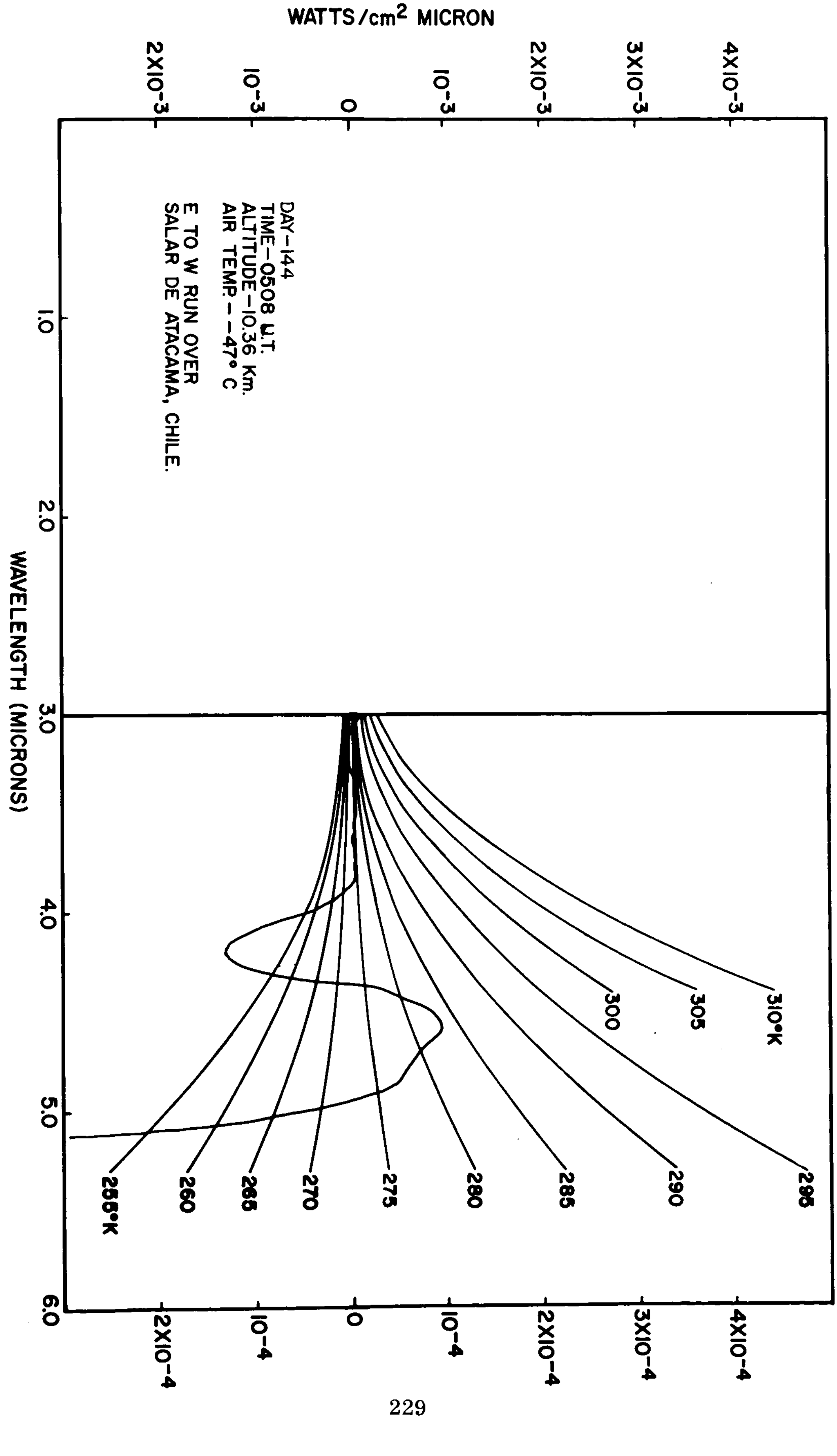


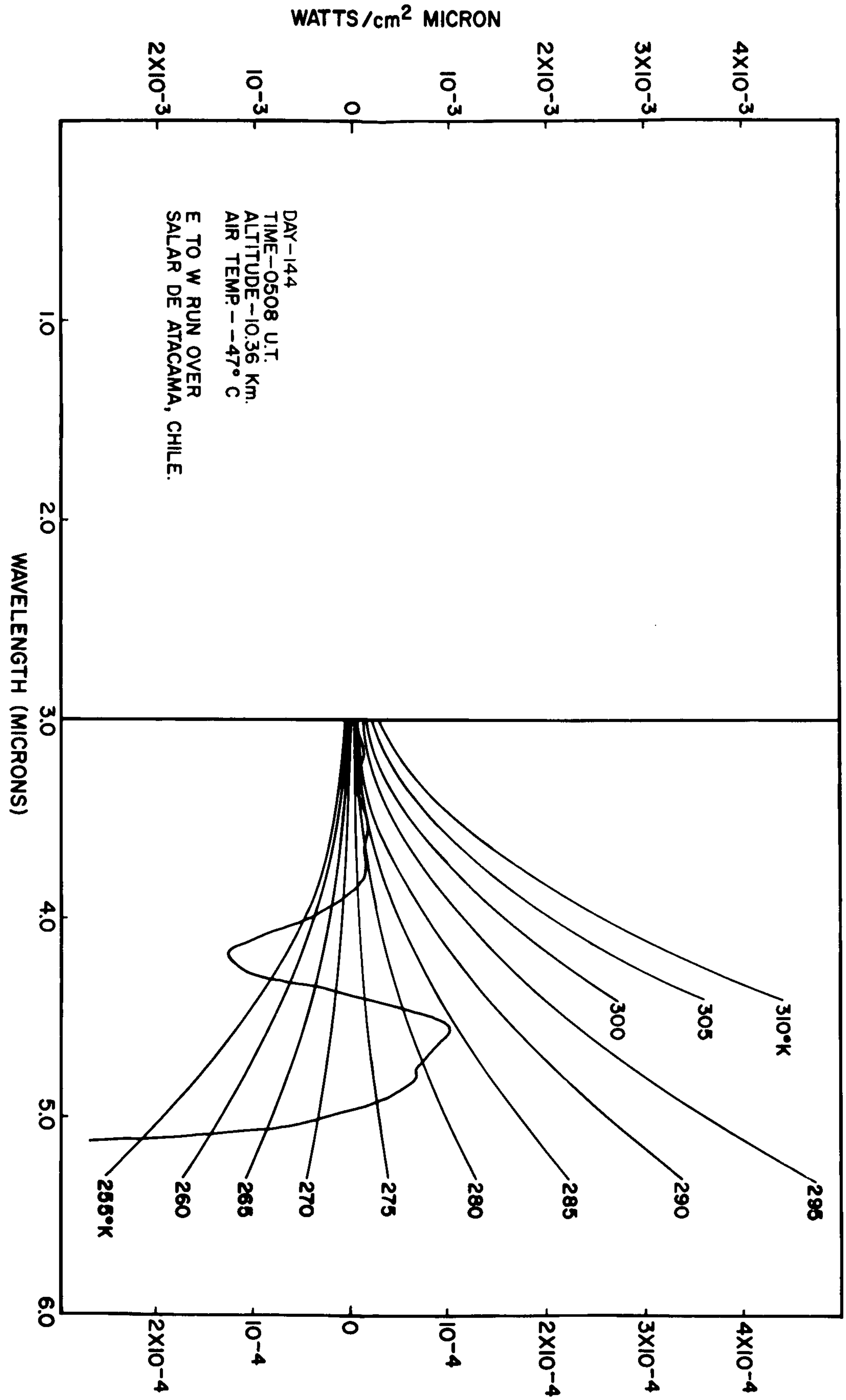
WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0506 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

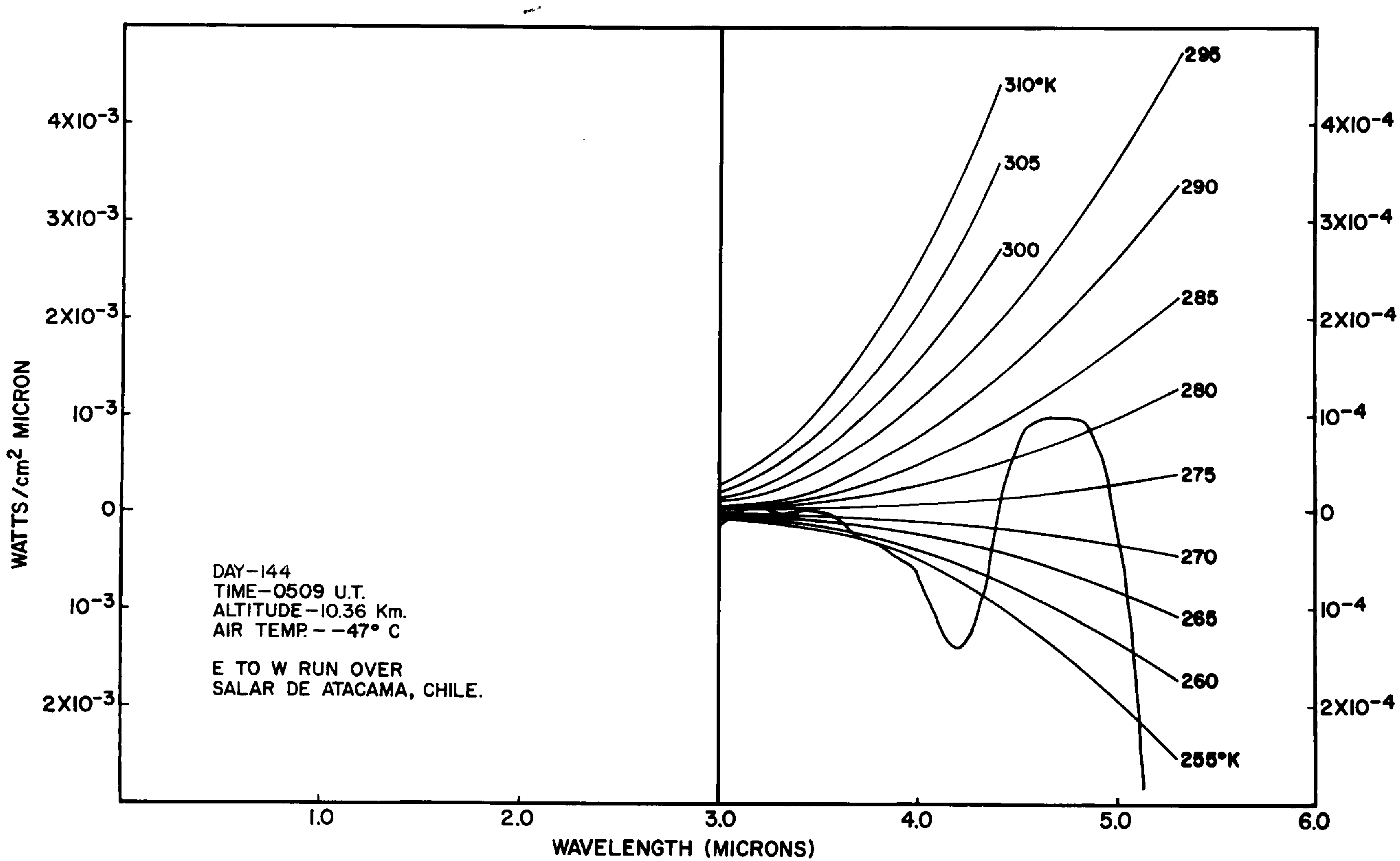


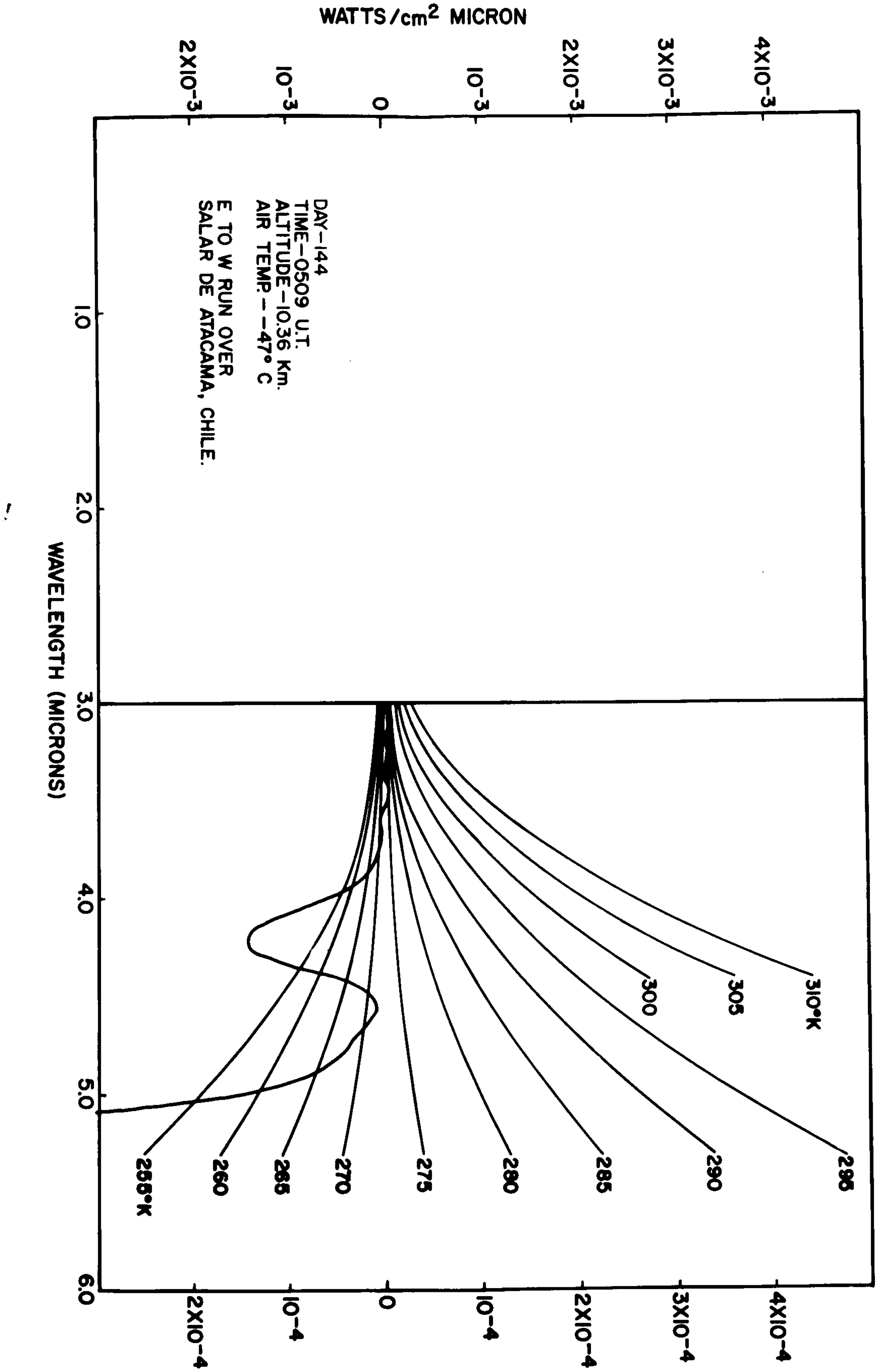
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0507 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0507 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
ON E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

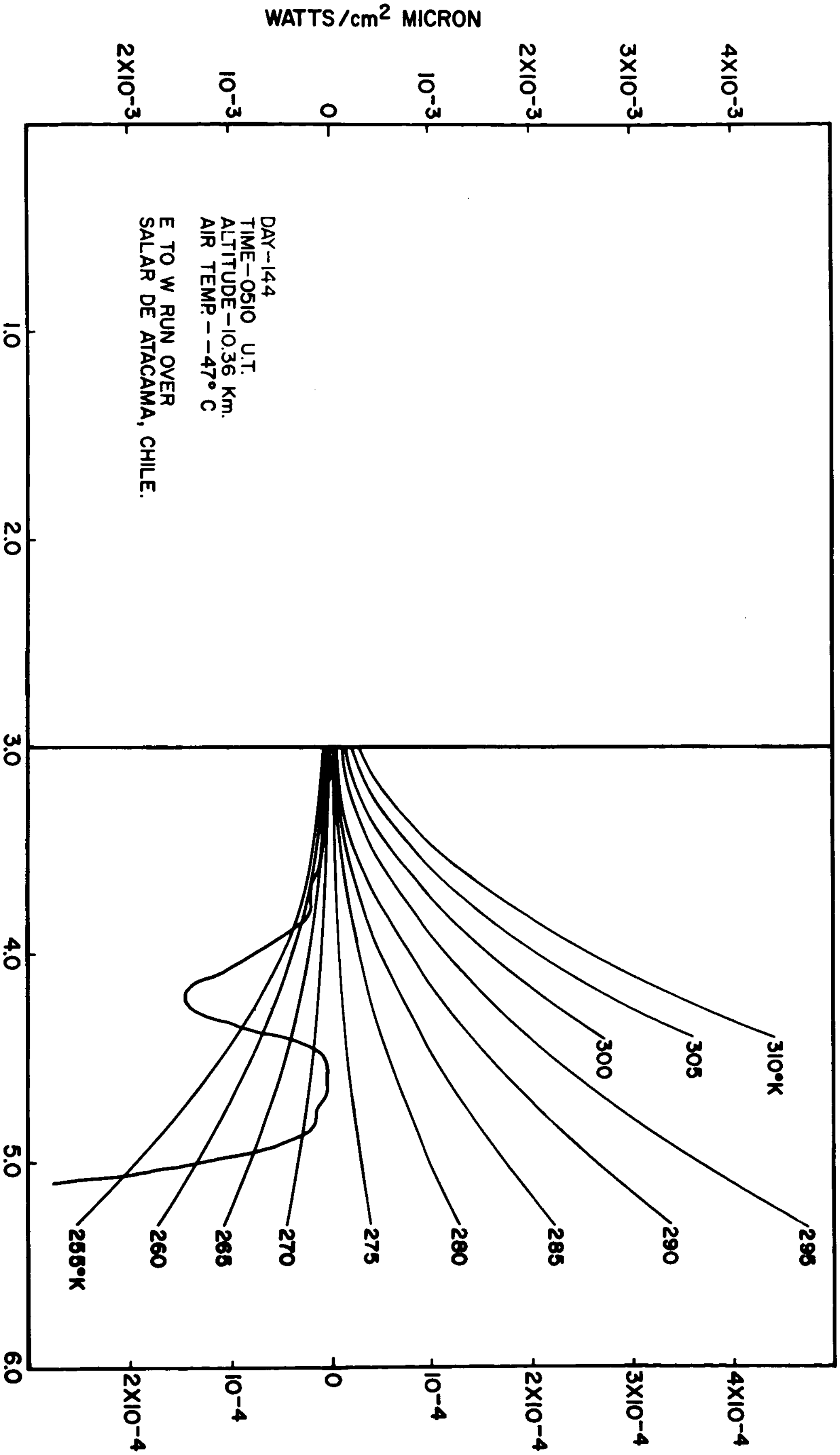

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0508 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

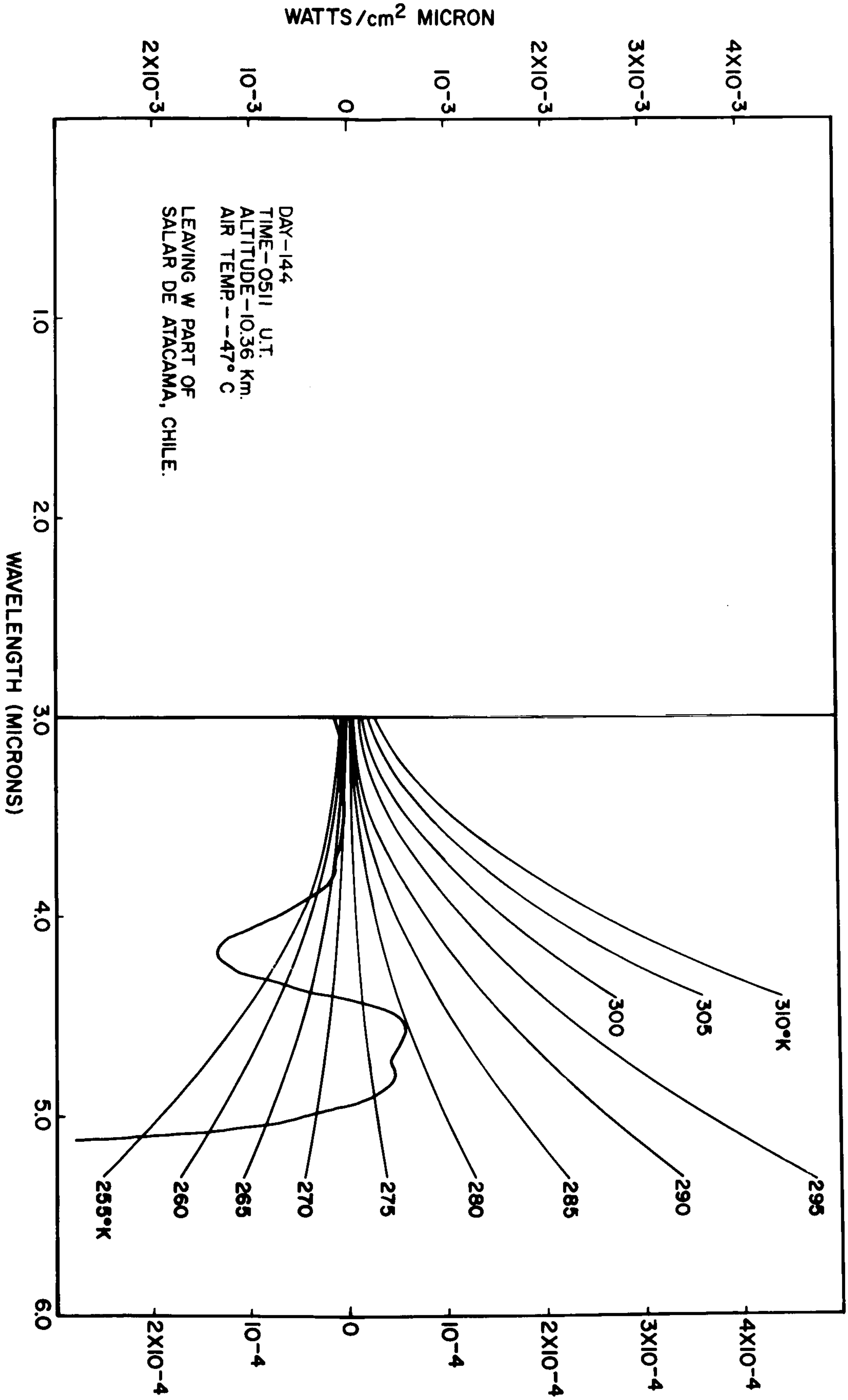

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0508 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

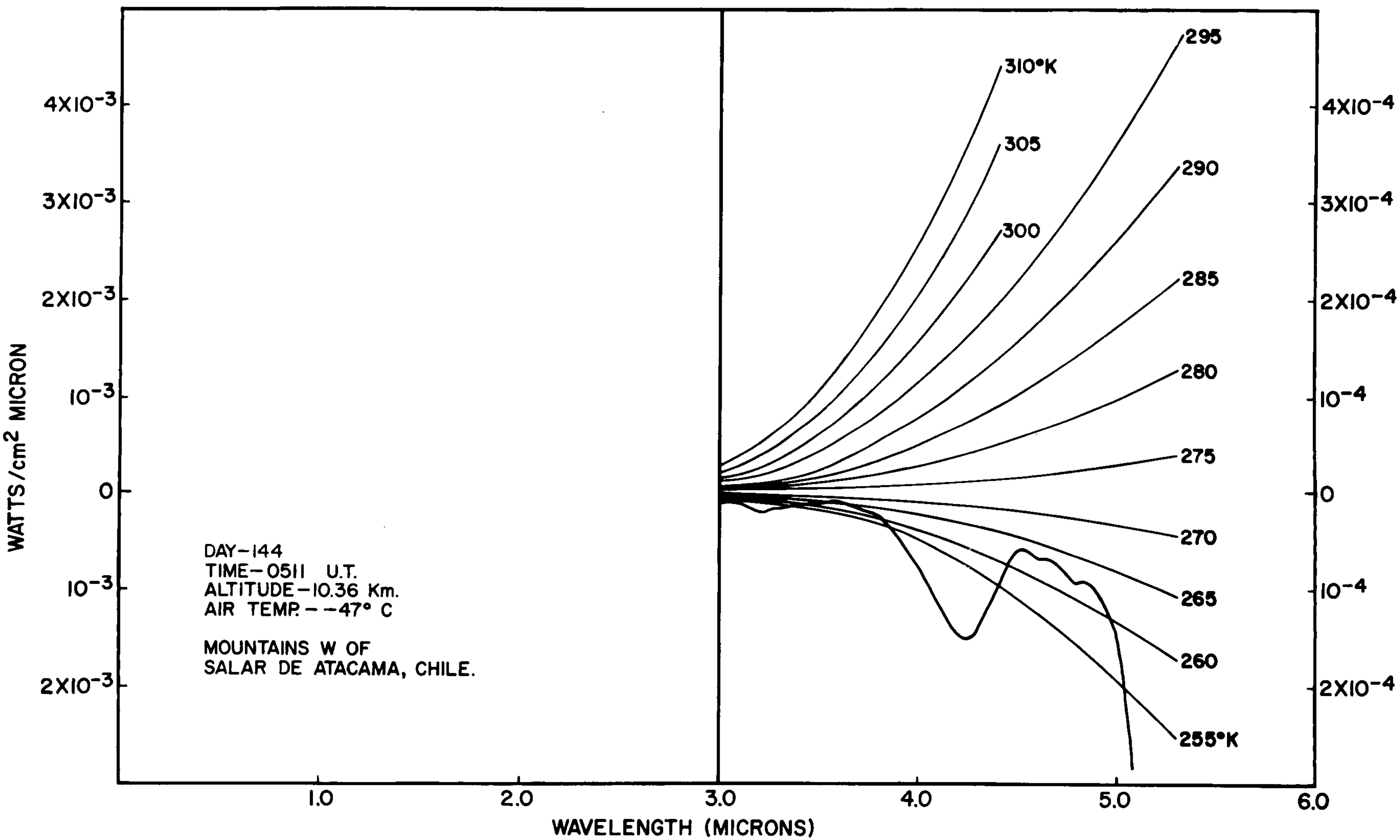

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-144
TIME-0509 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)



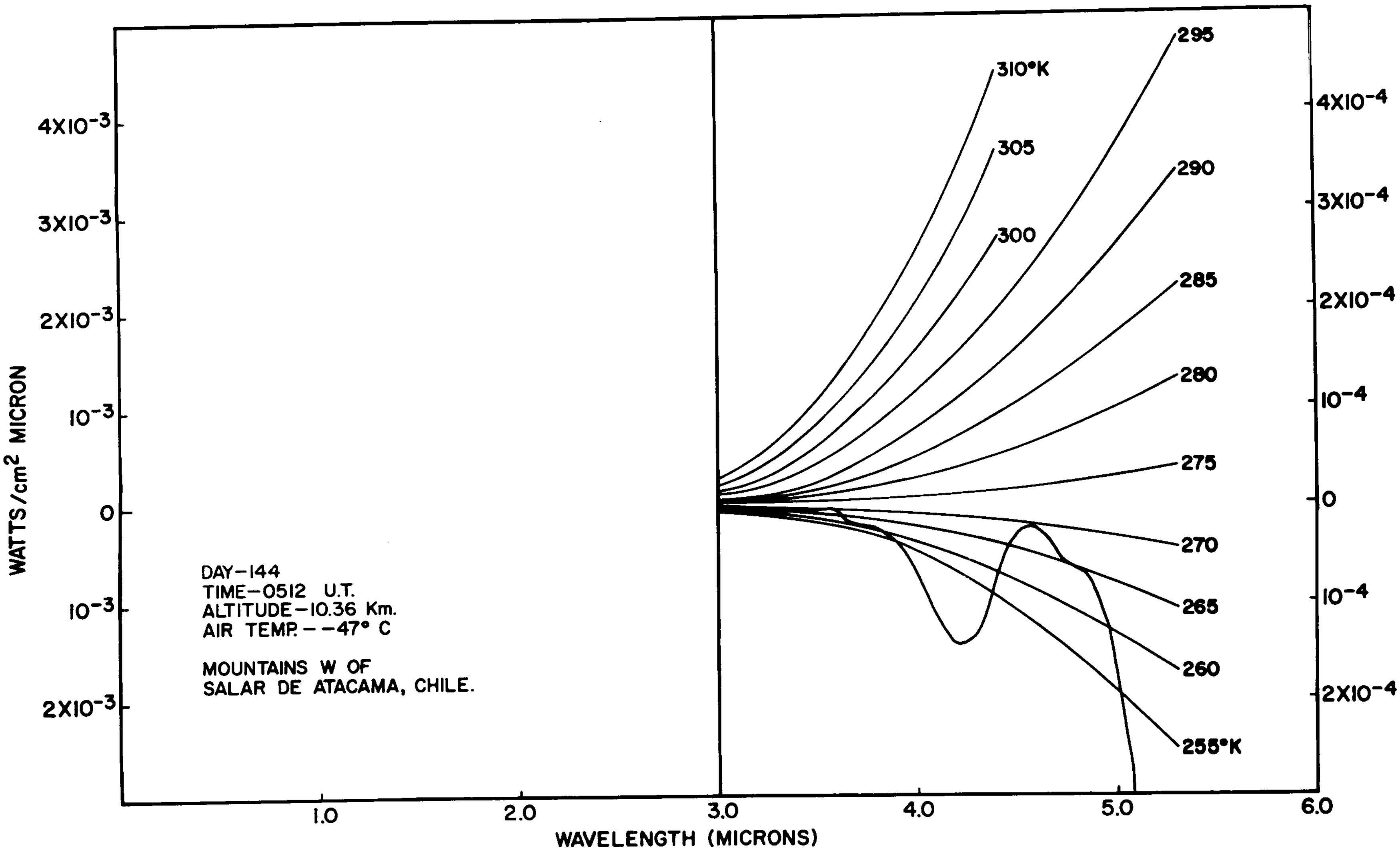
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0509 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

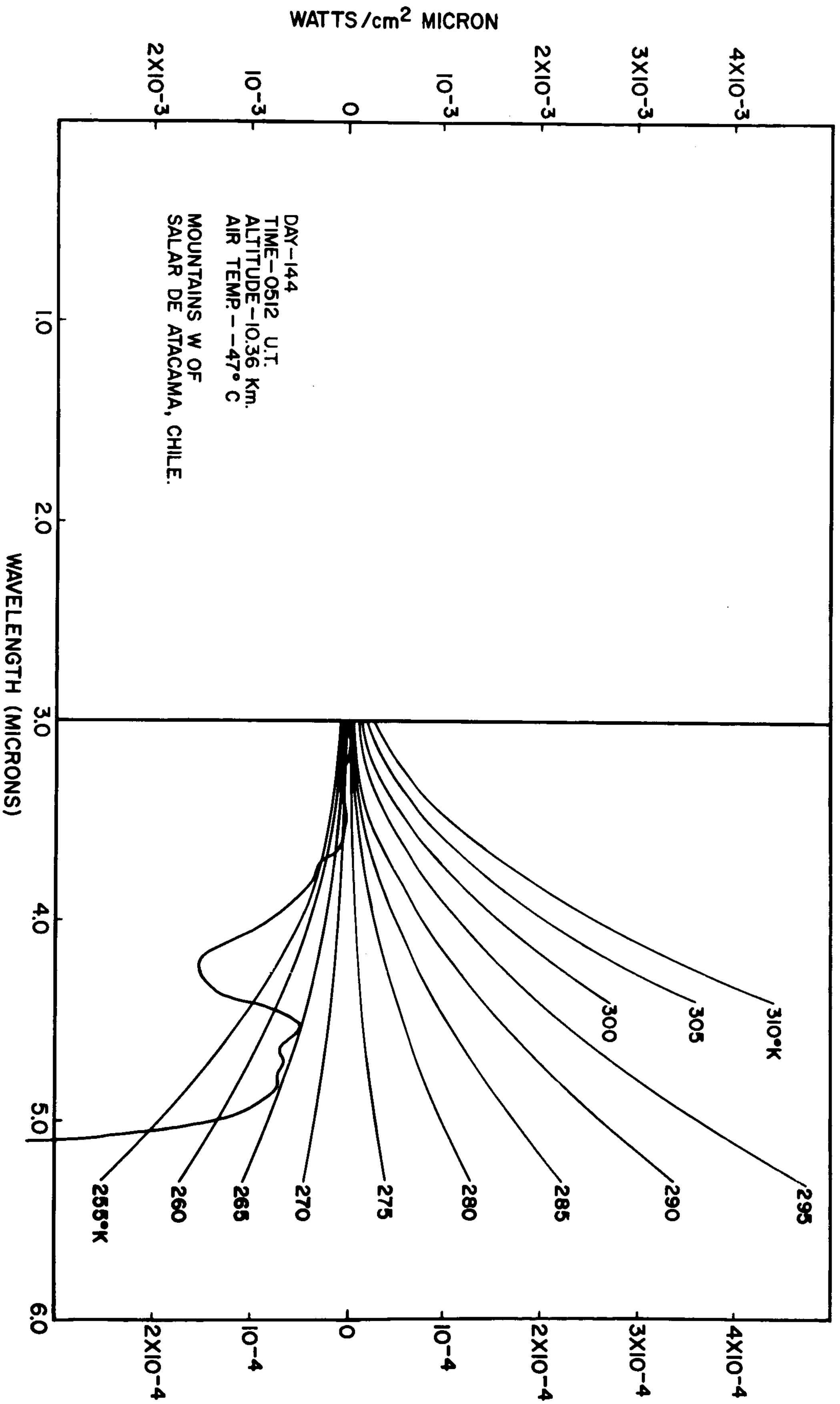

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0510 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. --47° C
E TO W RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

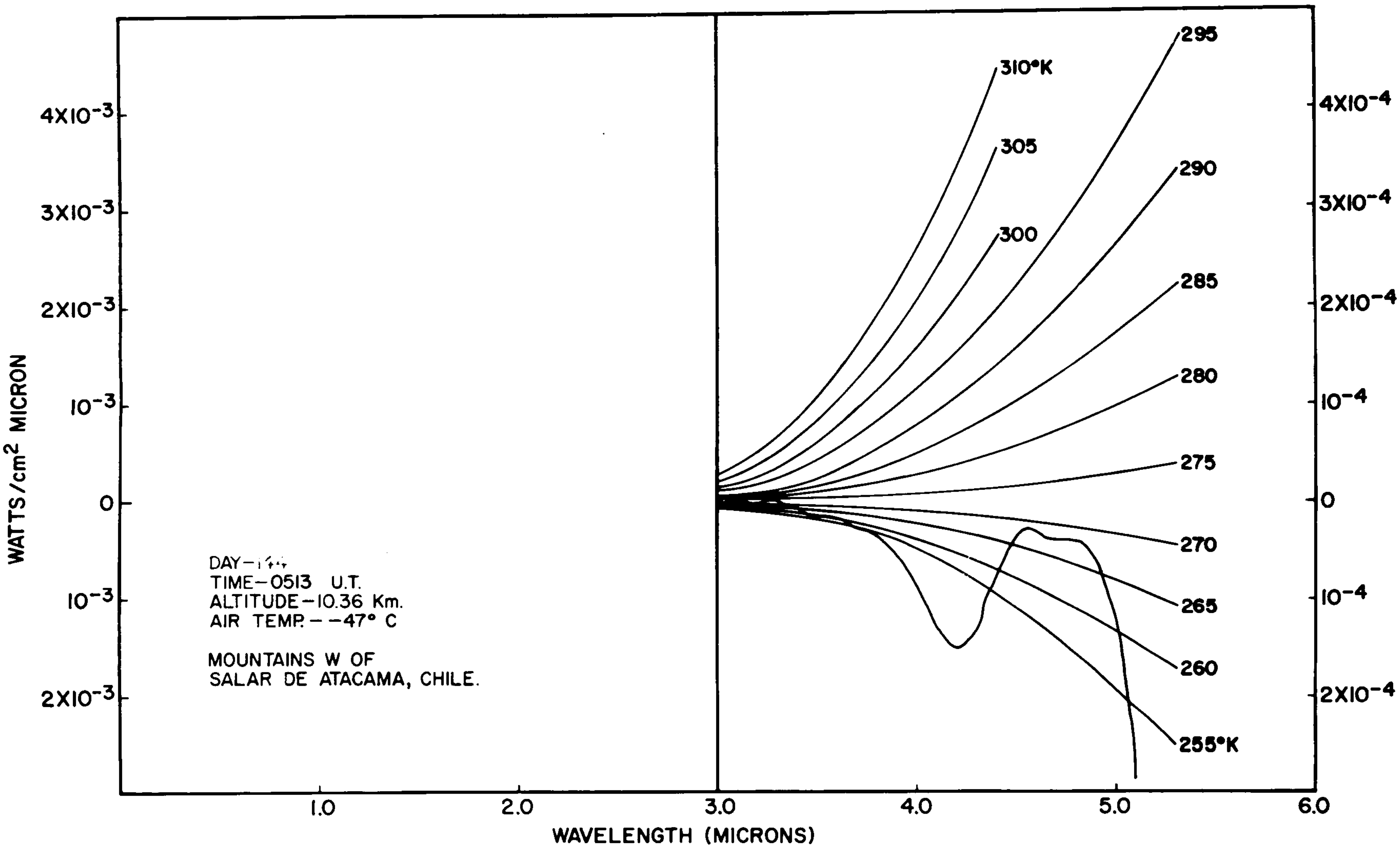

WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-144
TIME-0511 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
LEAVING W PART OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

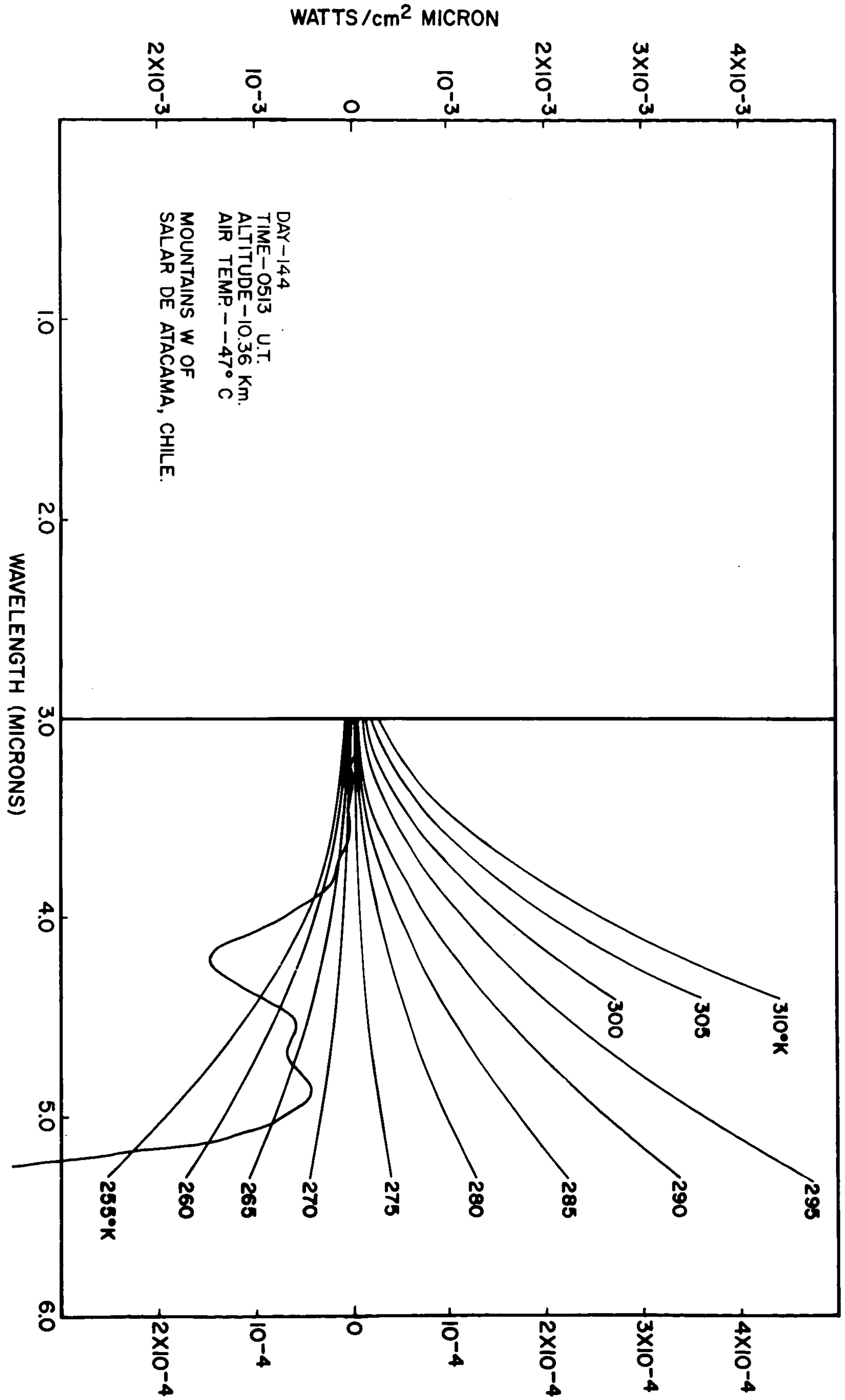


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0511 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

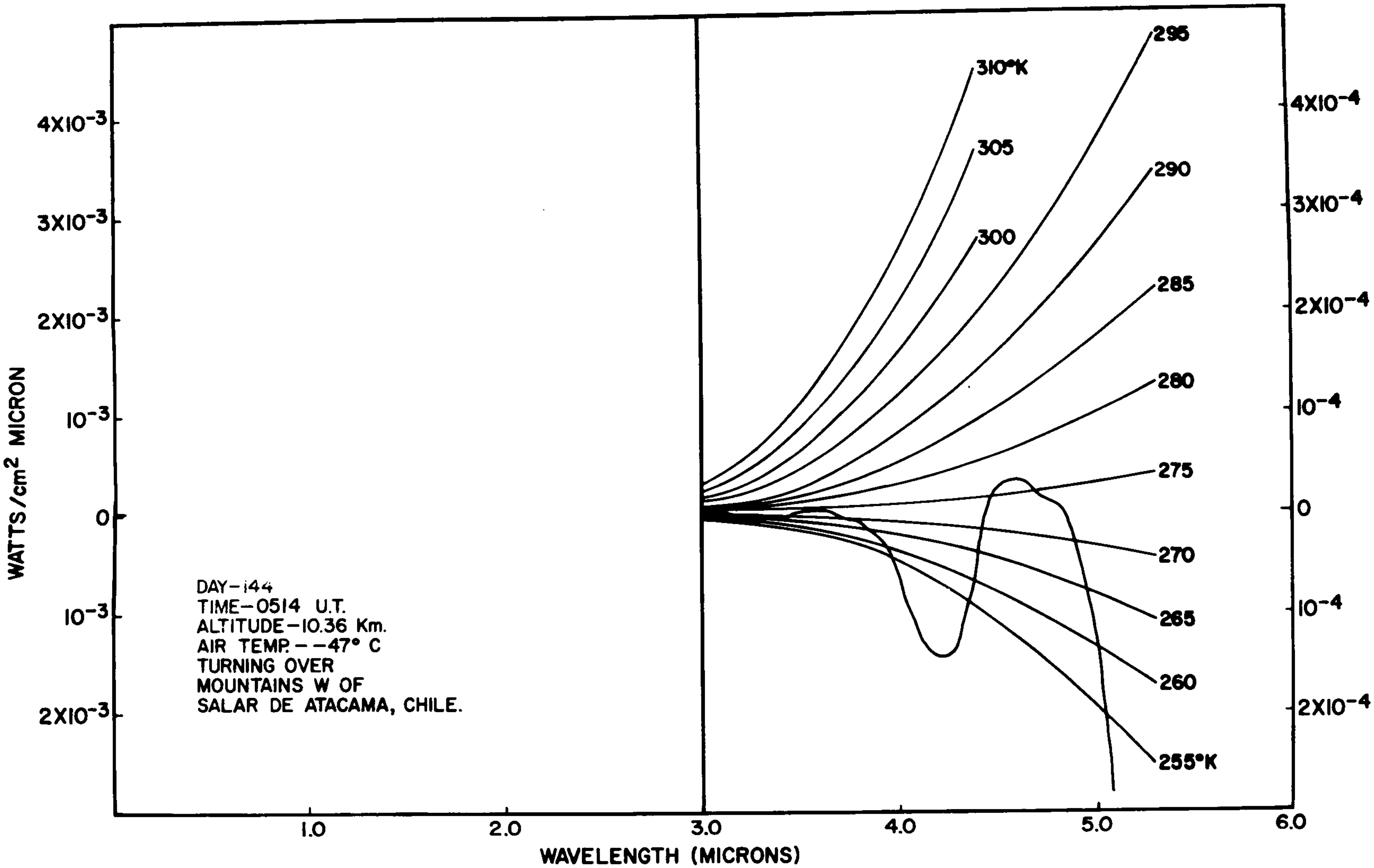

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0512 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

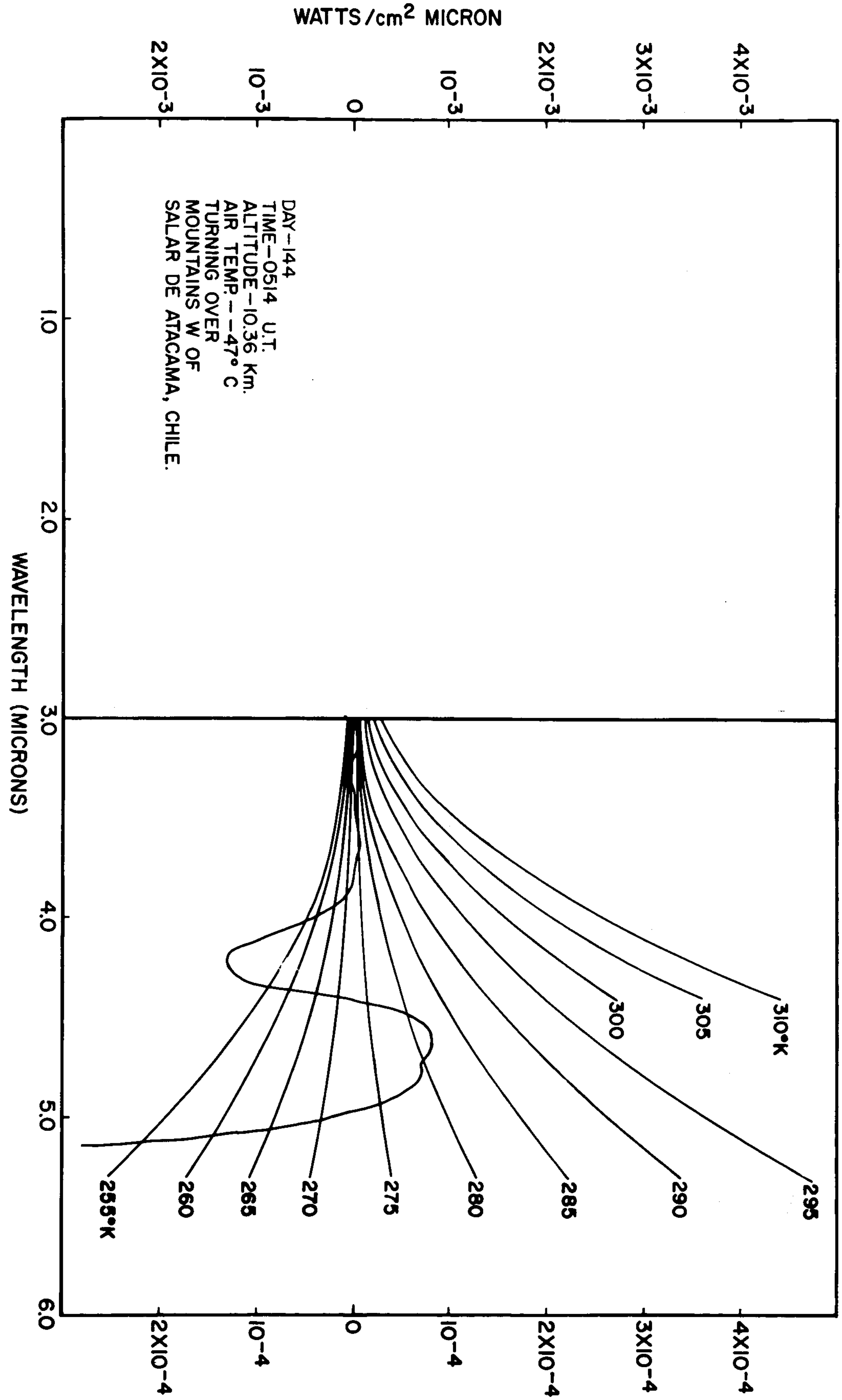

WATTS /cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0512 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY–144
TIME–0513 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –47° C
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

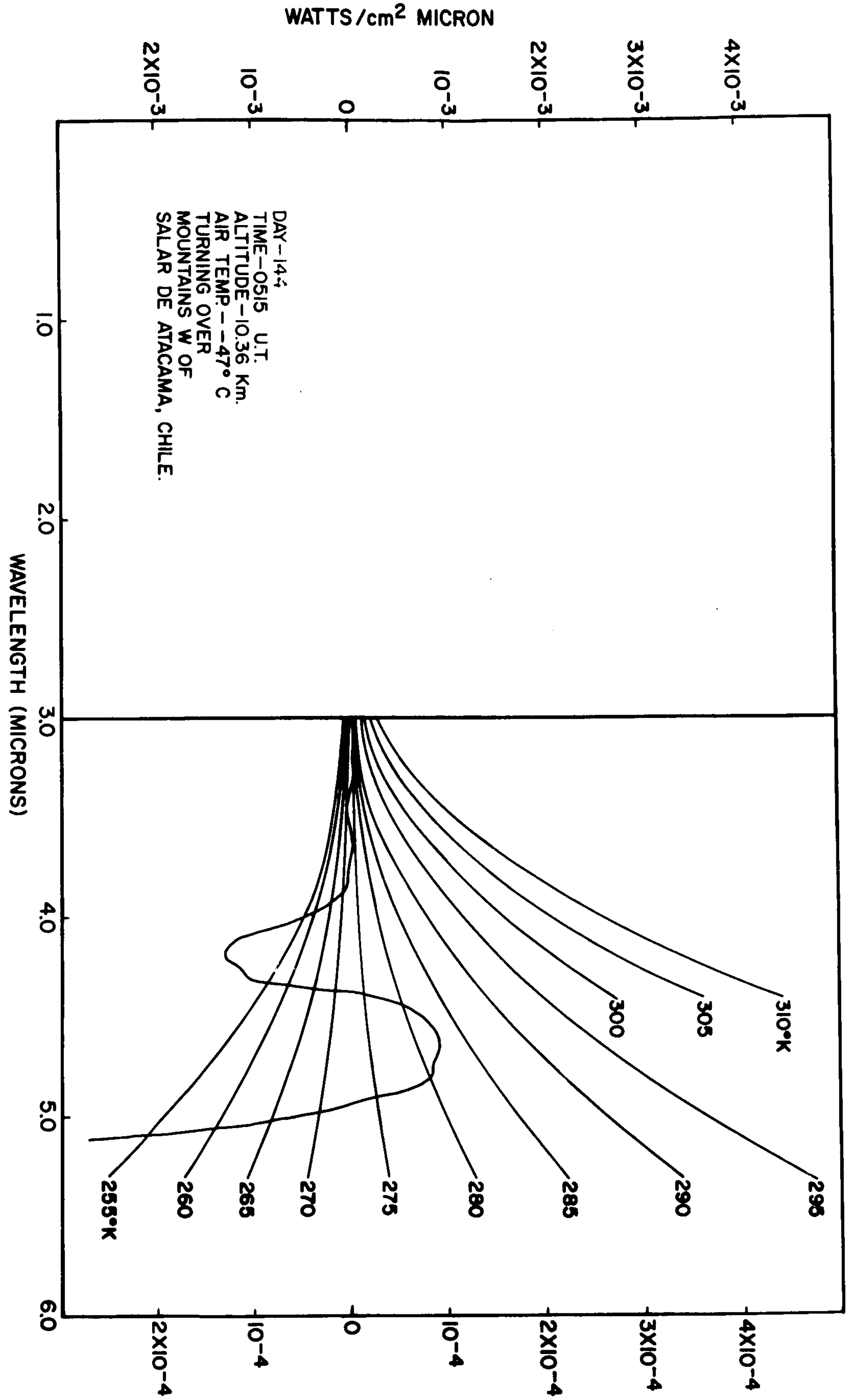


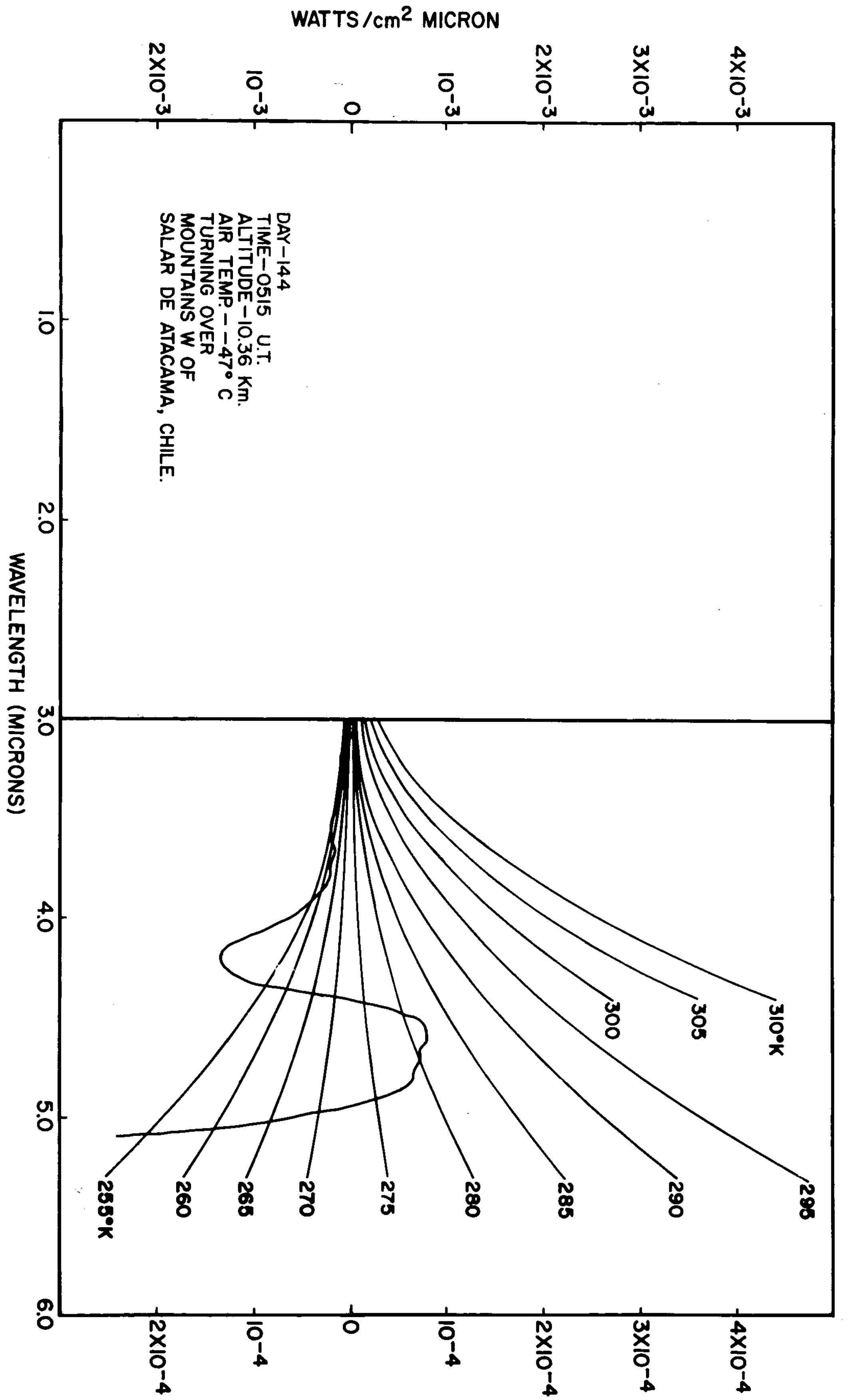
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0513 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

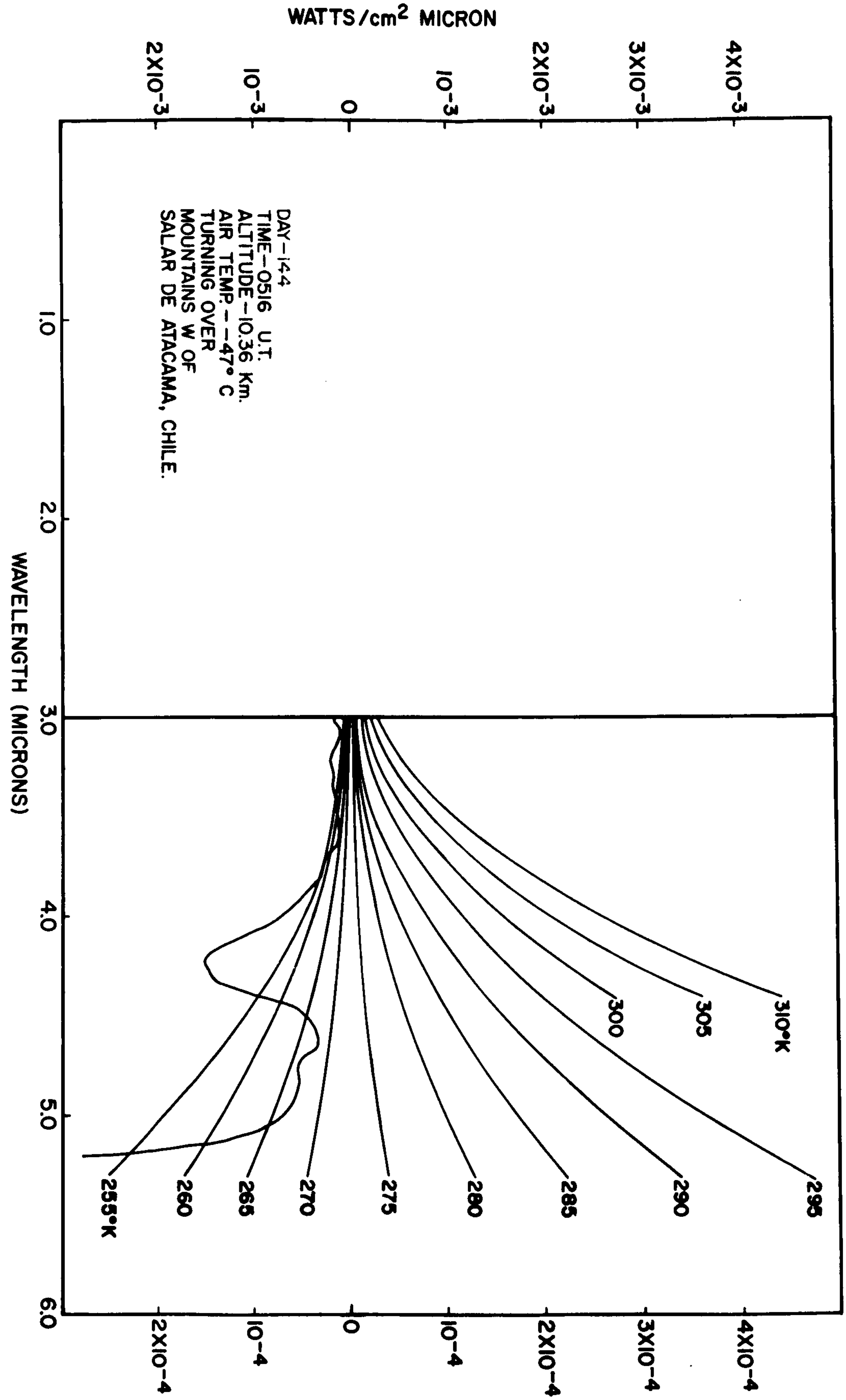

DAY-144
TIME-0514 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

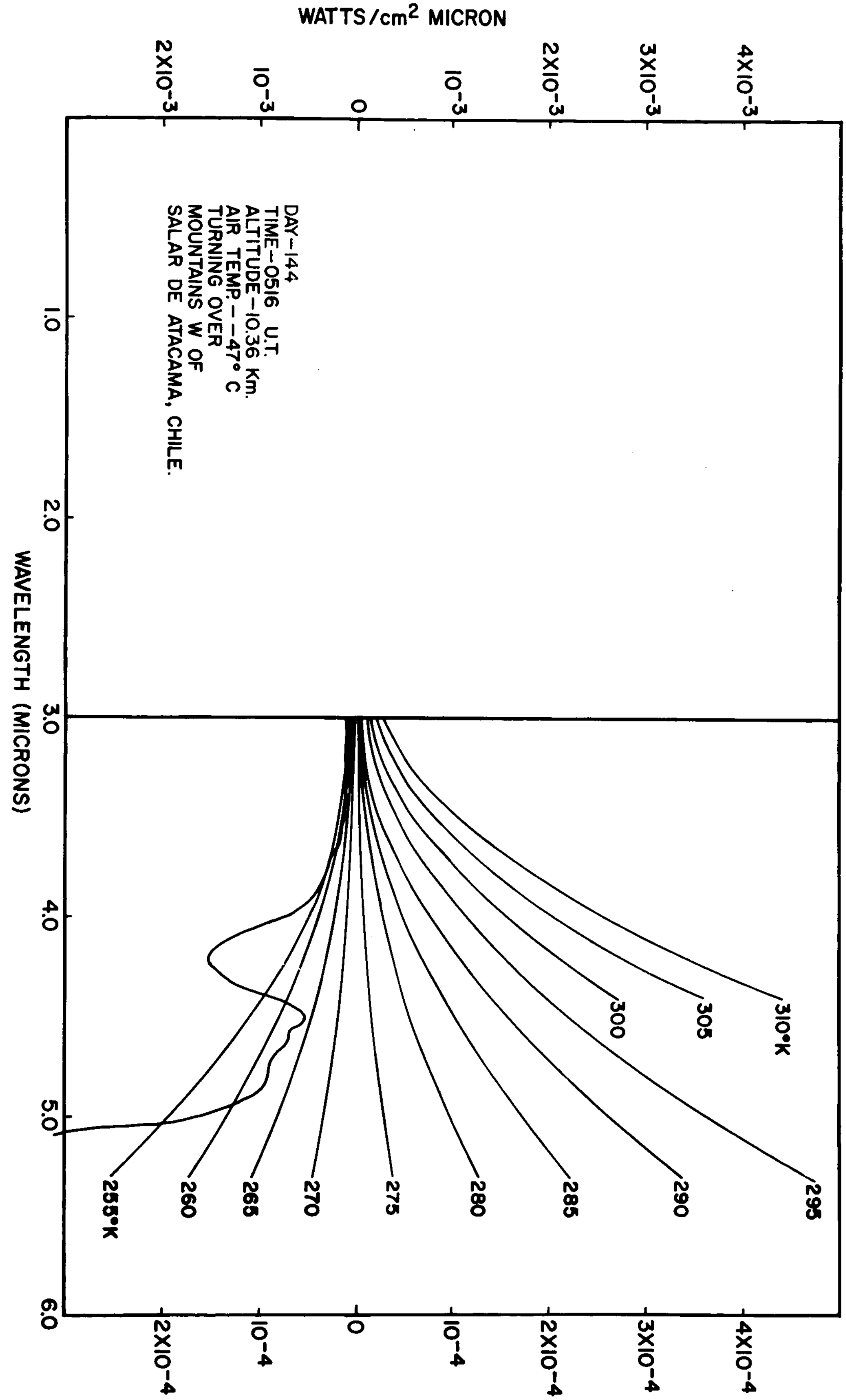


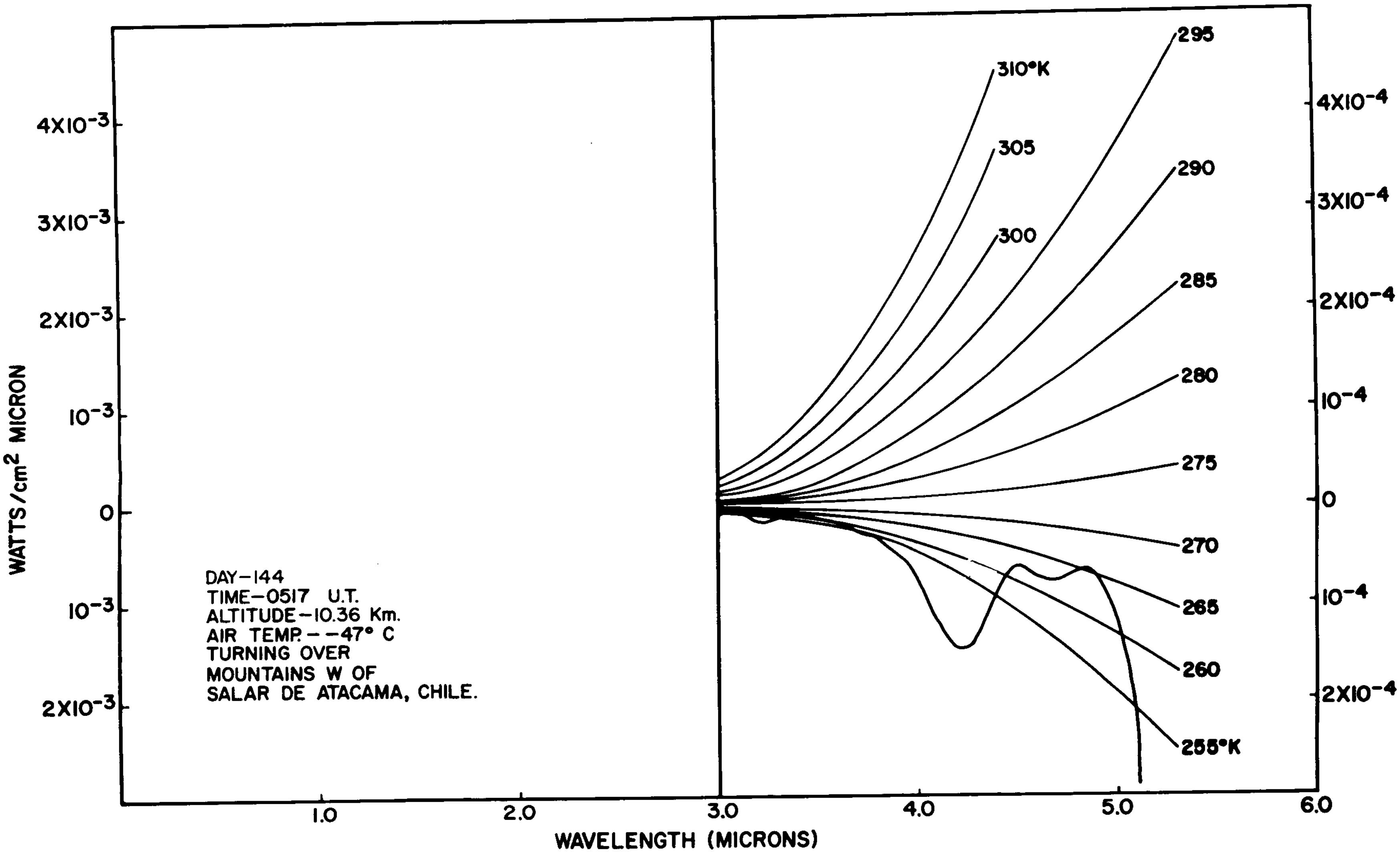
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY–144
TIME–0514 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

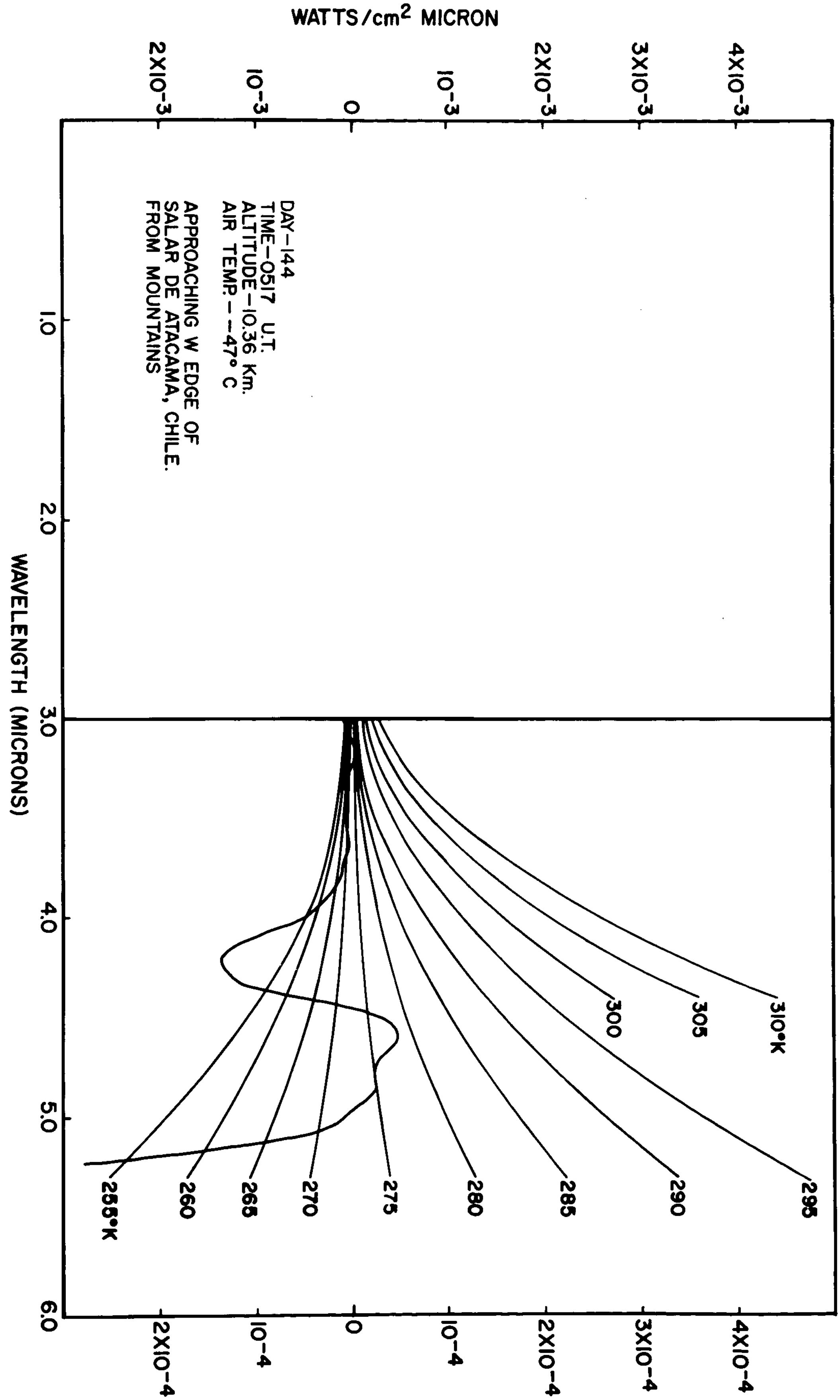

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0515 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0515 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

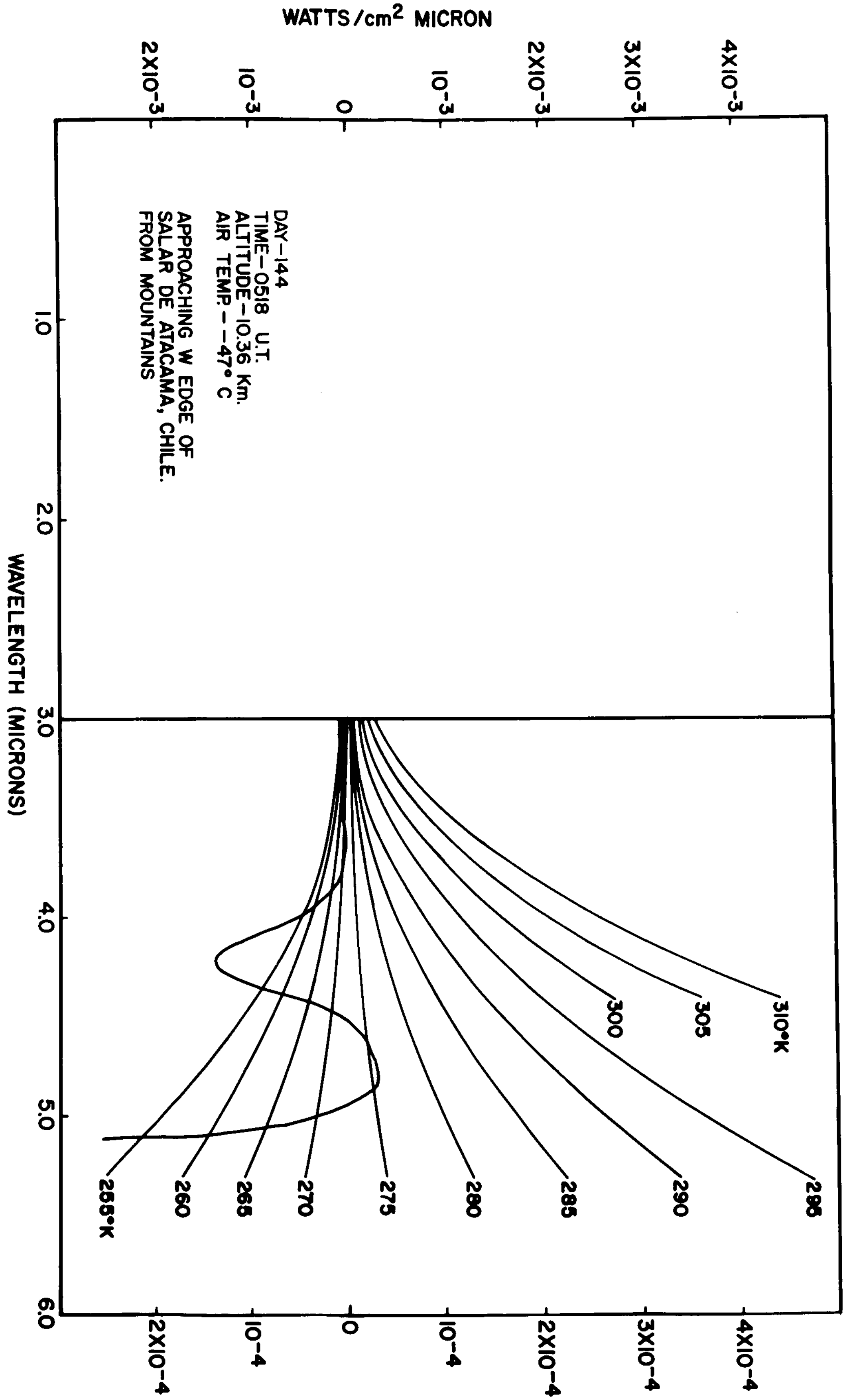

WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0516 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

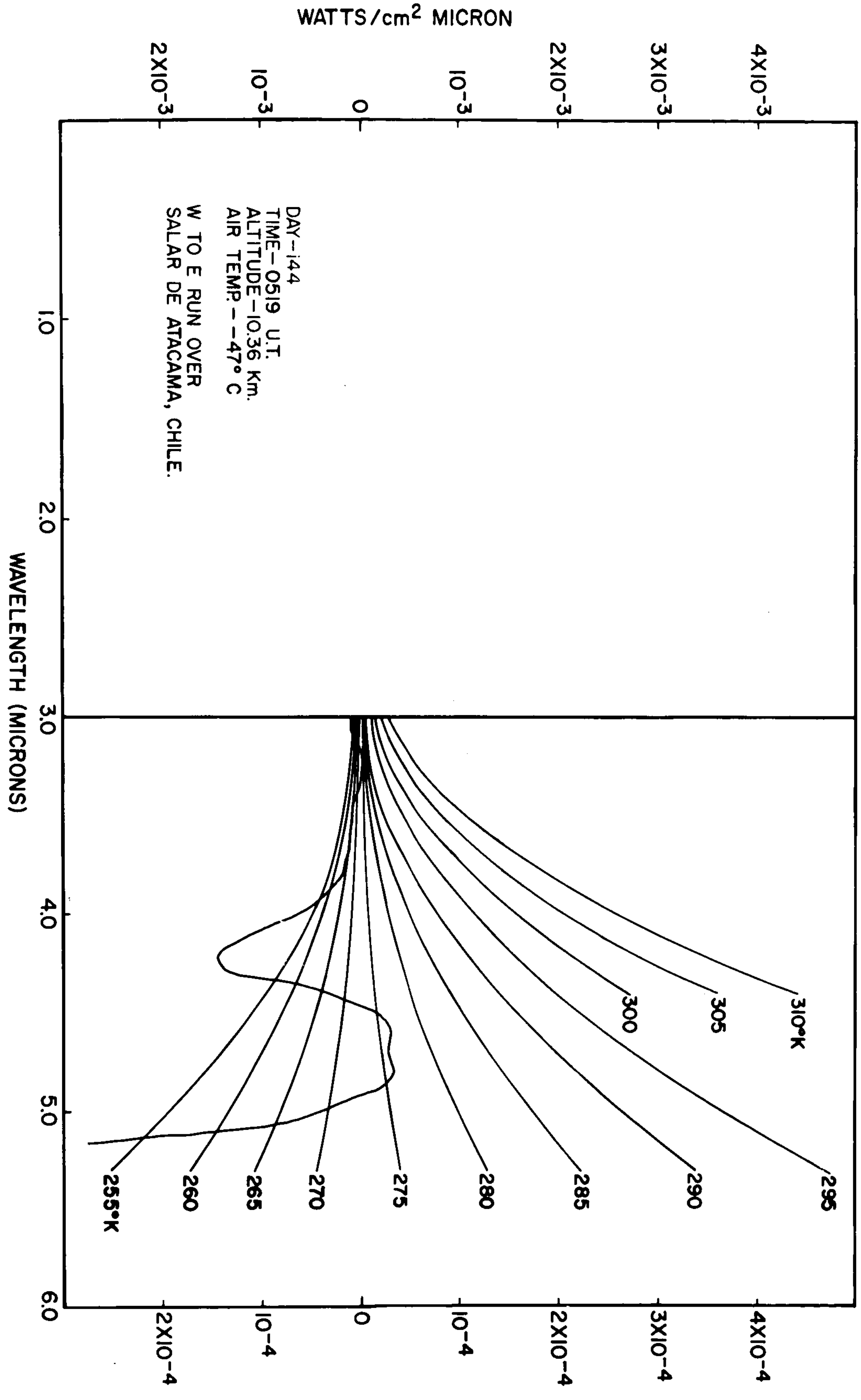

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0516 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

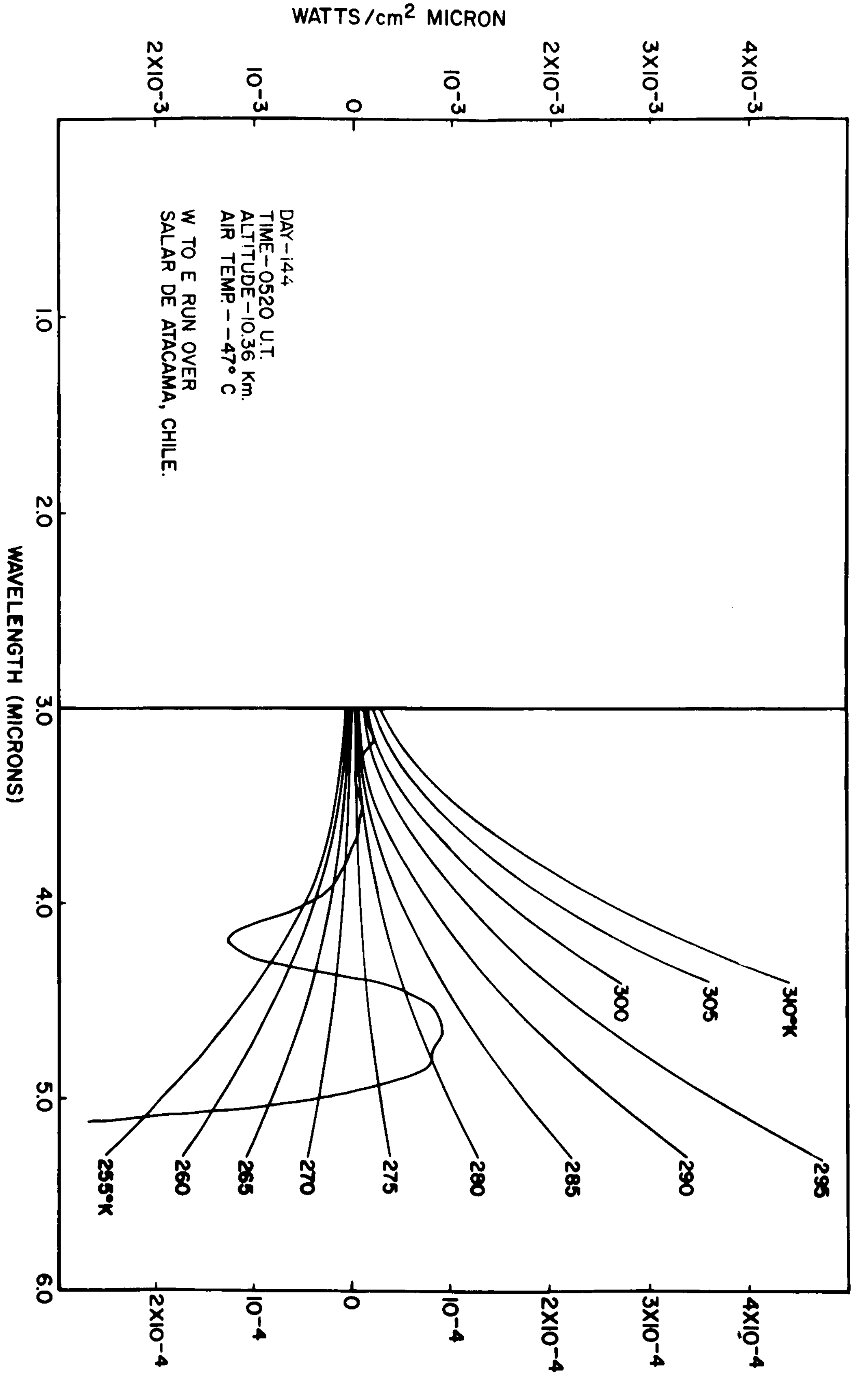

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0517 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
TURNING OVER
MOUNTAINS W OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

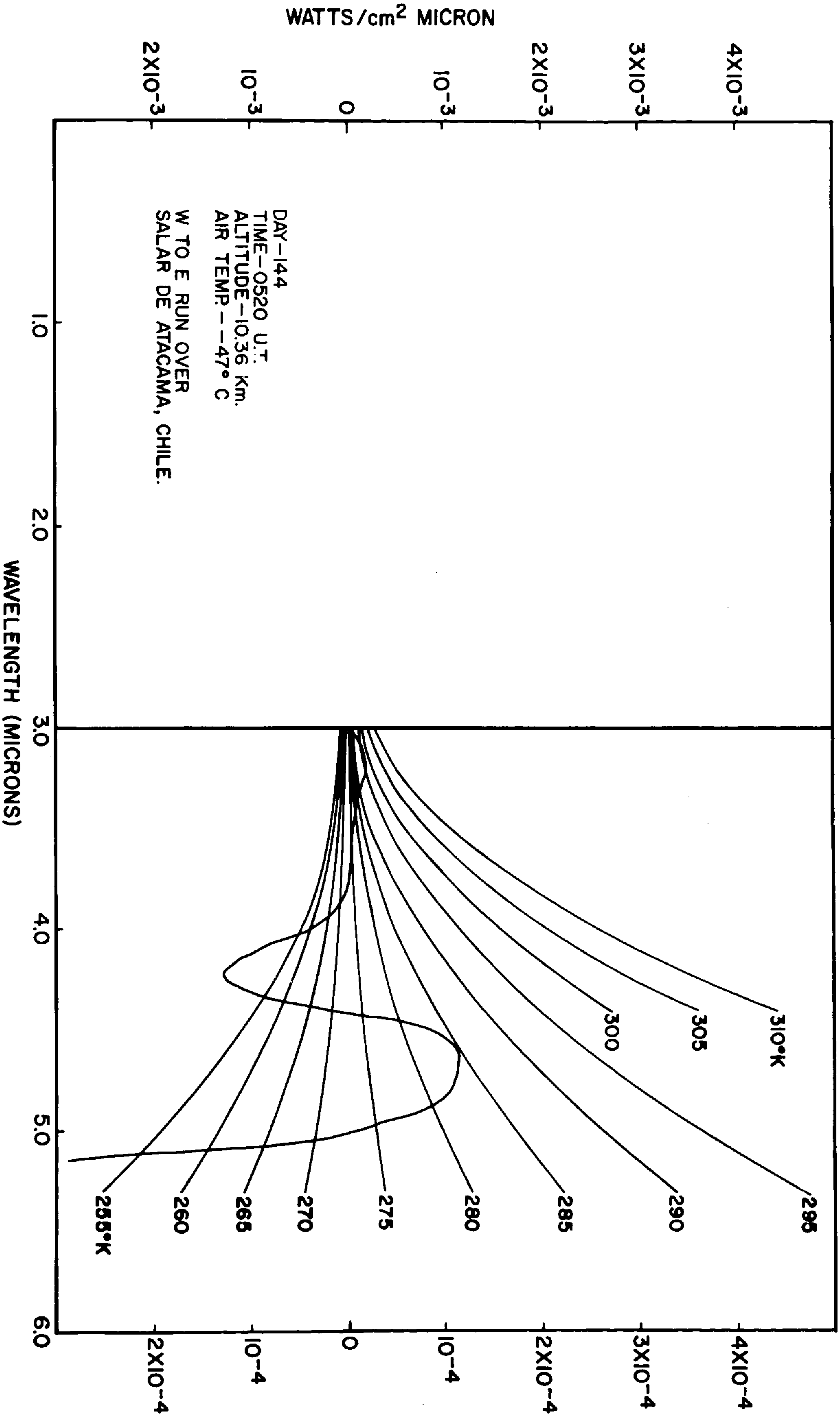


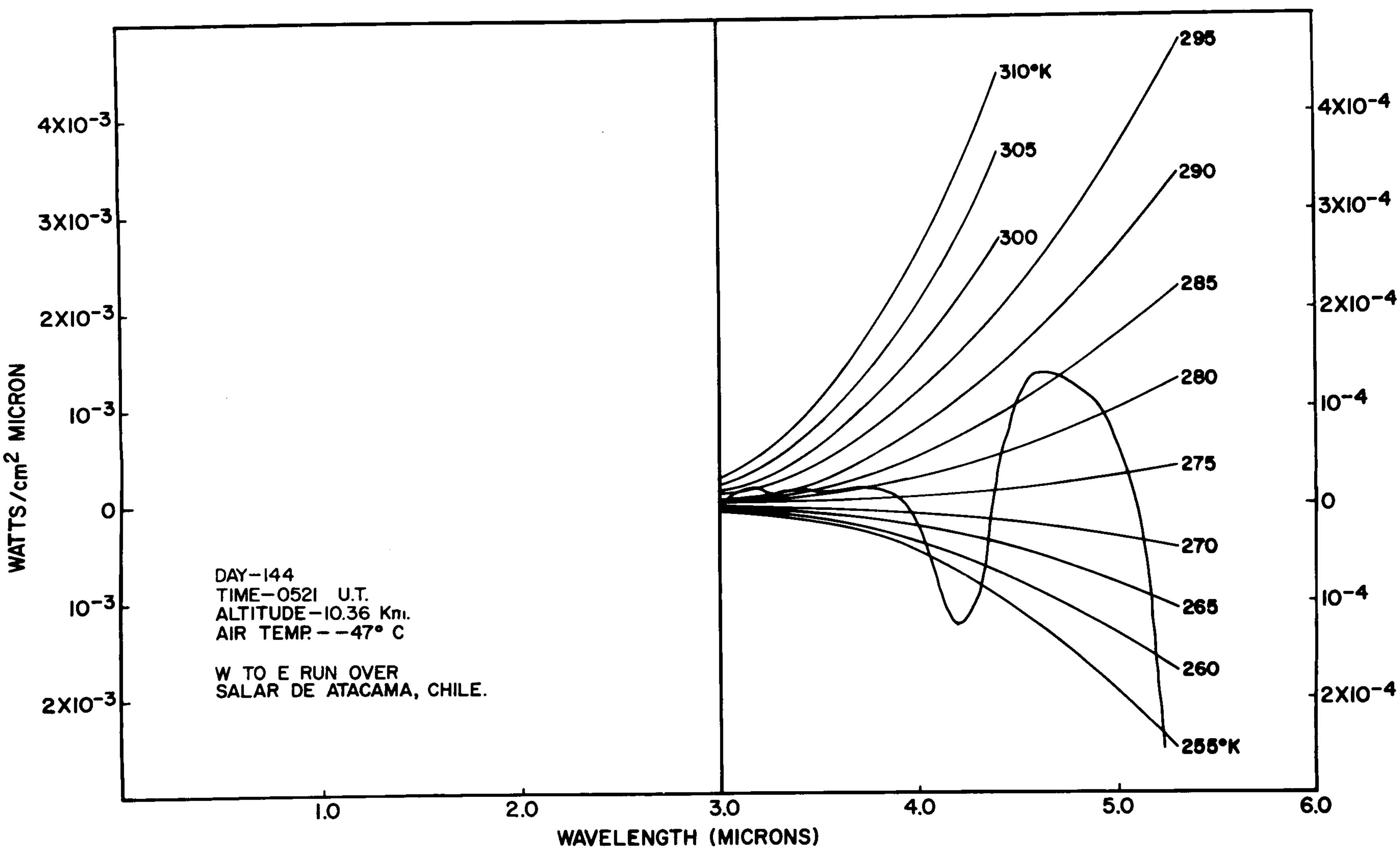
WATTS/cm^2 MICRON
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
3X10^{-3}
4X10^{-3}
DAY-144
TIME-0517 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
APPROACHING W EDGE OF
SALAR DE ATACAMA, CHILE.
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}
3X10^{-4}
4X10^{-4}

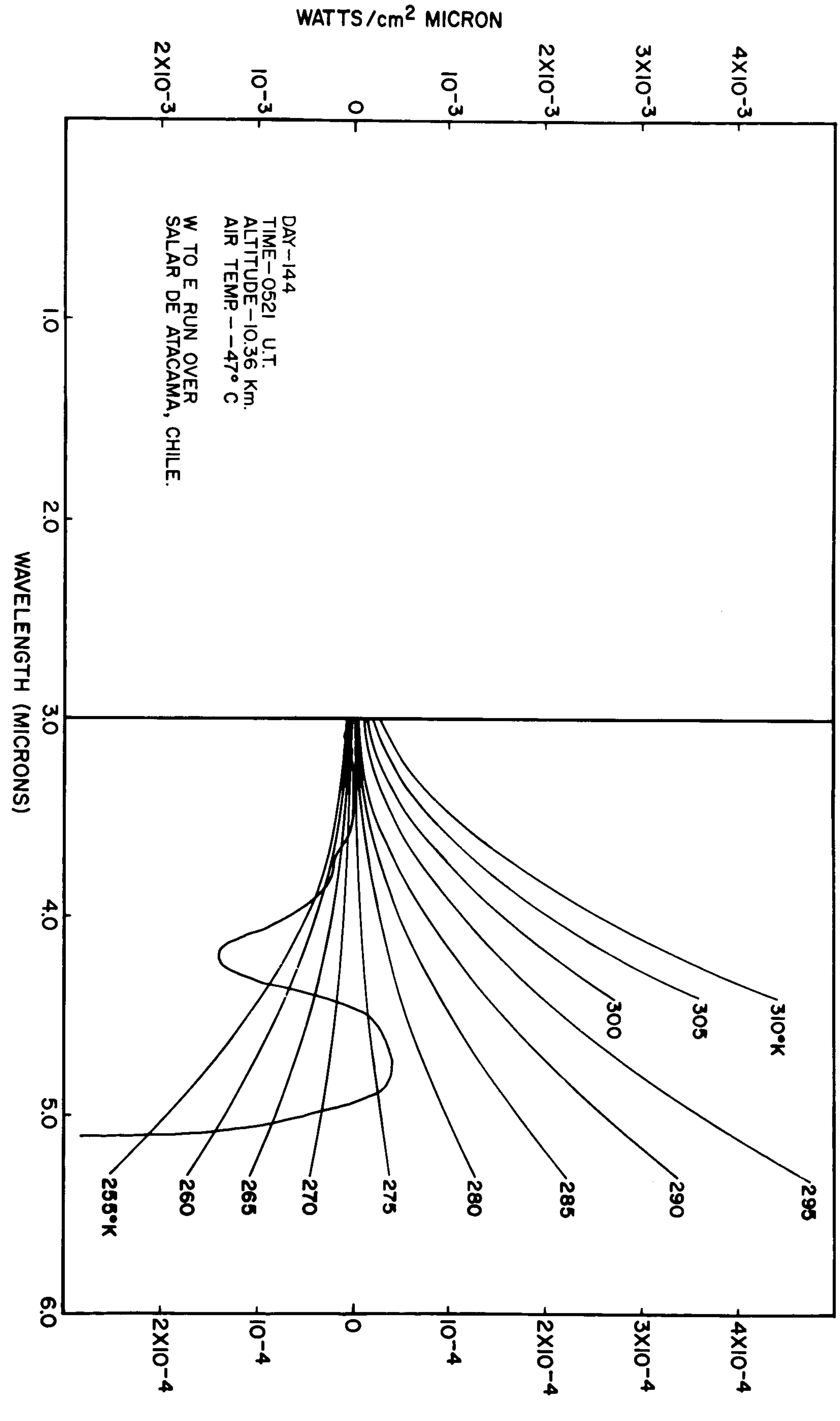

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0518 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
APPROACHING W EDGE OF
SALAR DE ATACAMA, CHILE.
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

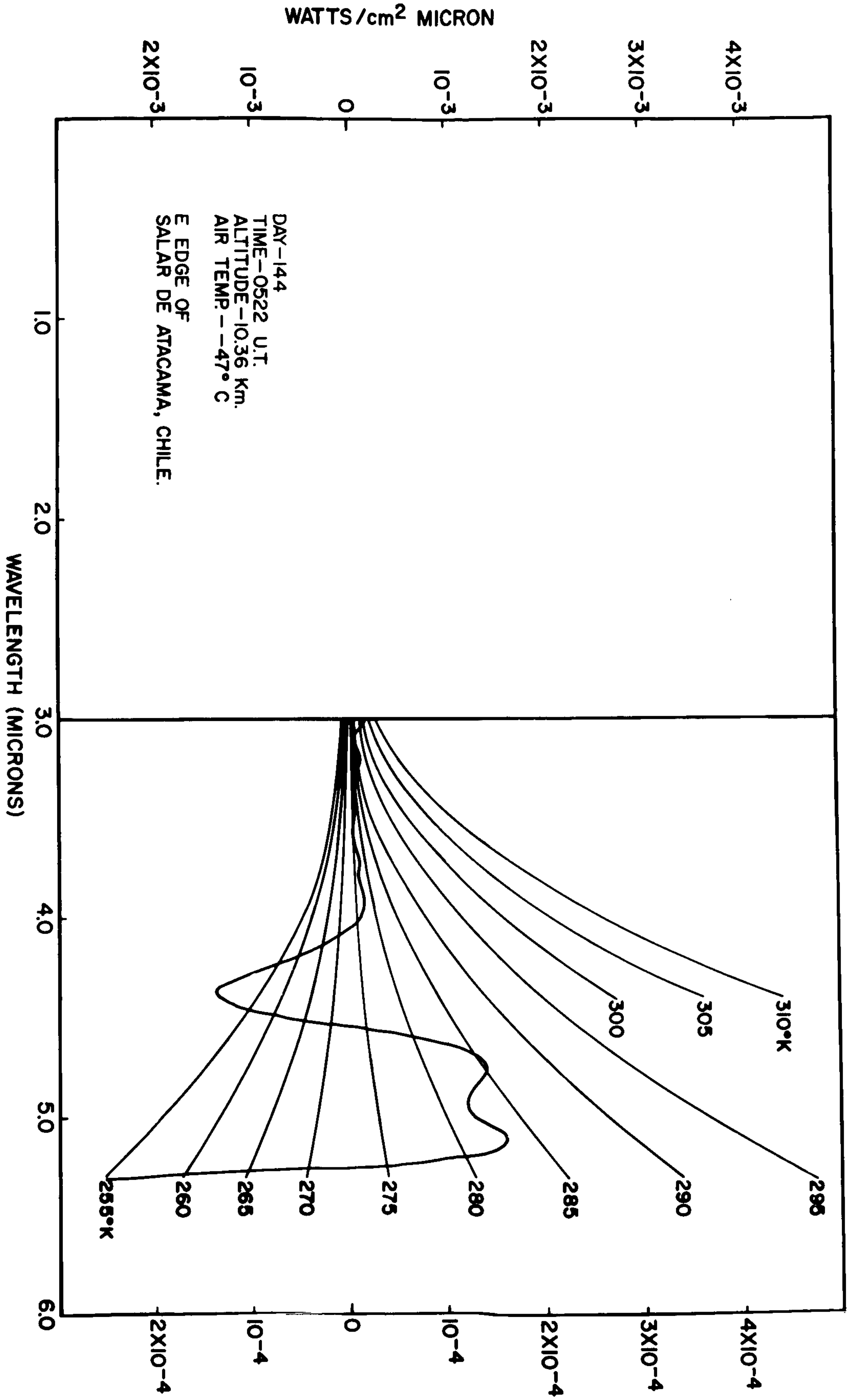

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0519 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0520 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

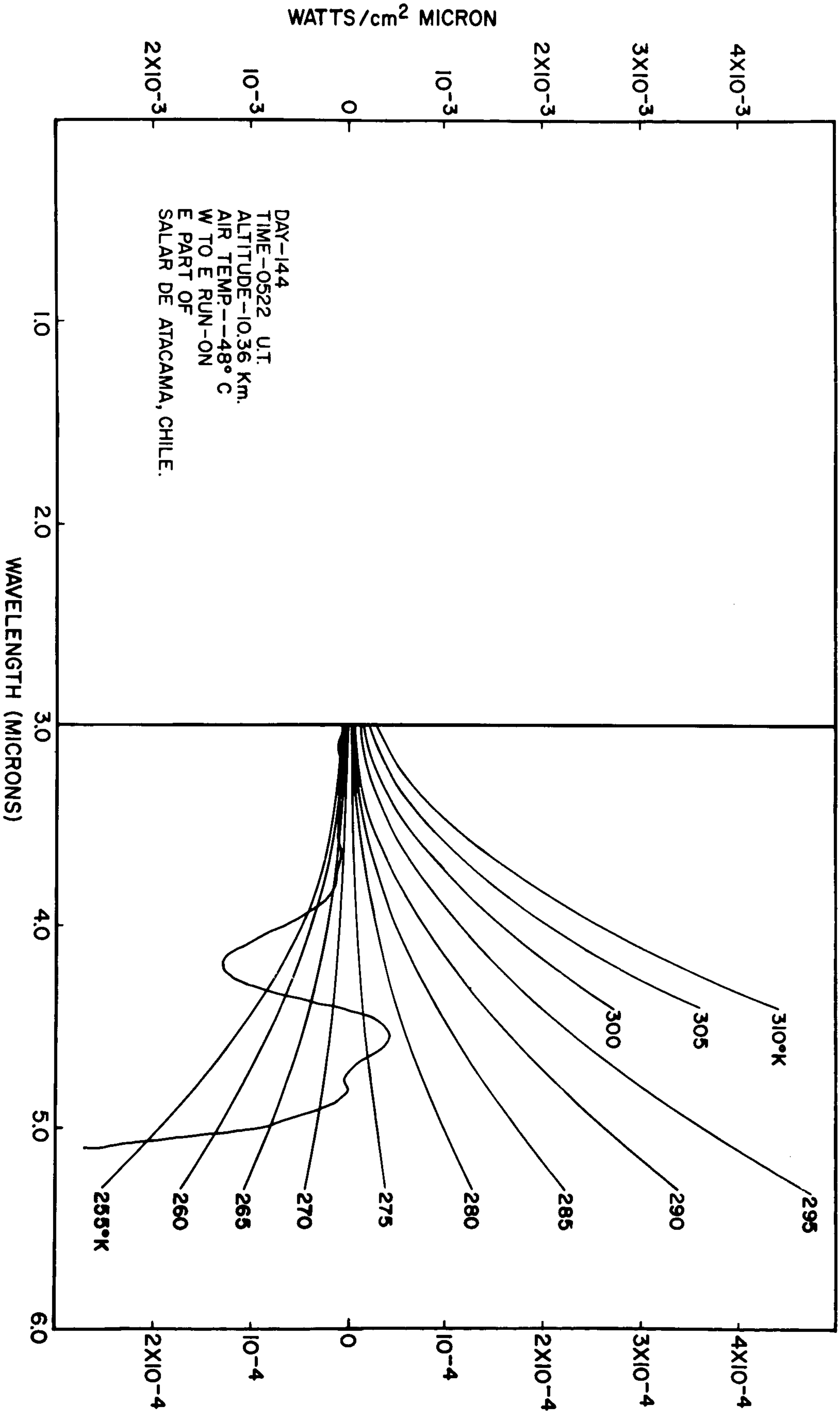

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0520 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0521 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
W TO E RUN OVER
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

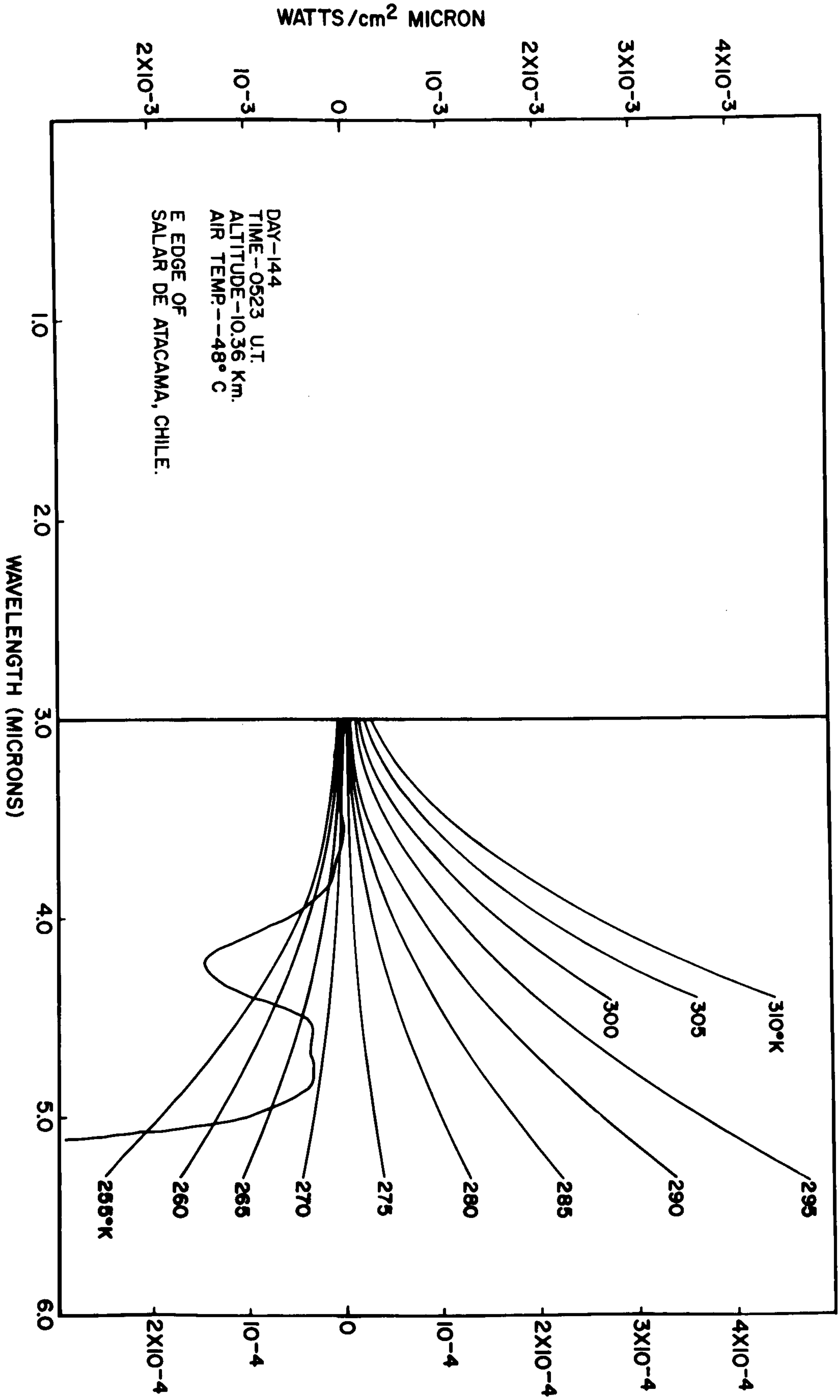

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0521 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
W. TO E. RUN OVER
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



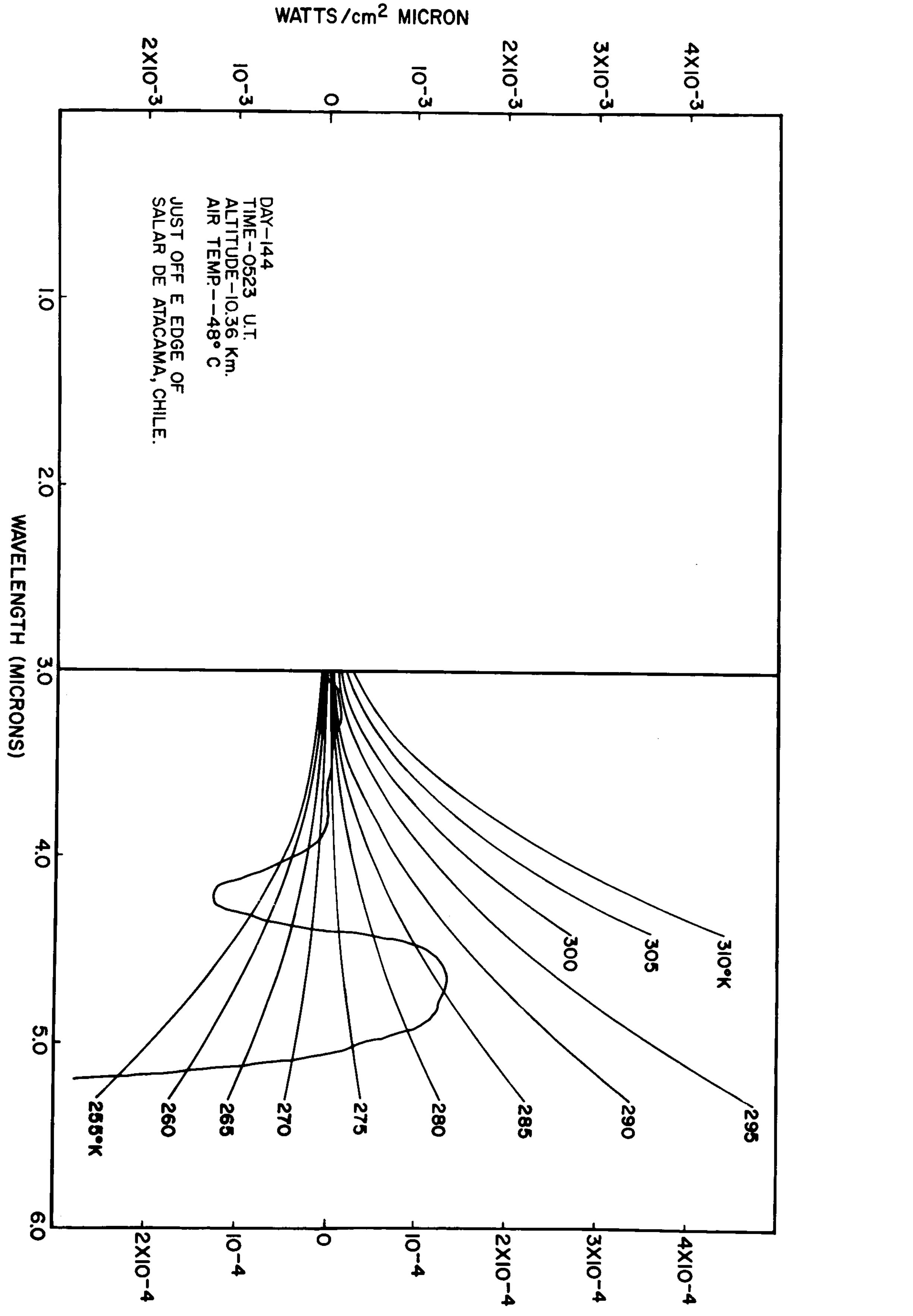
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0522 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



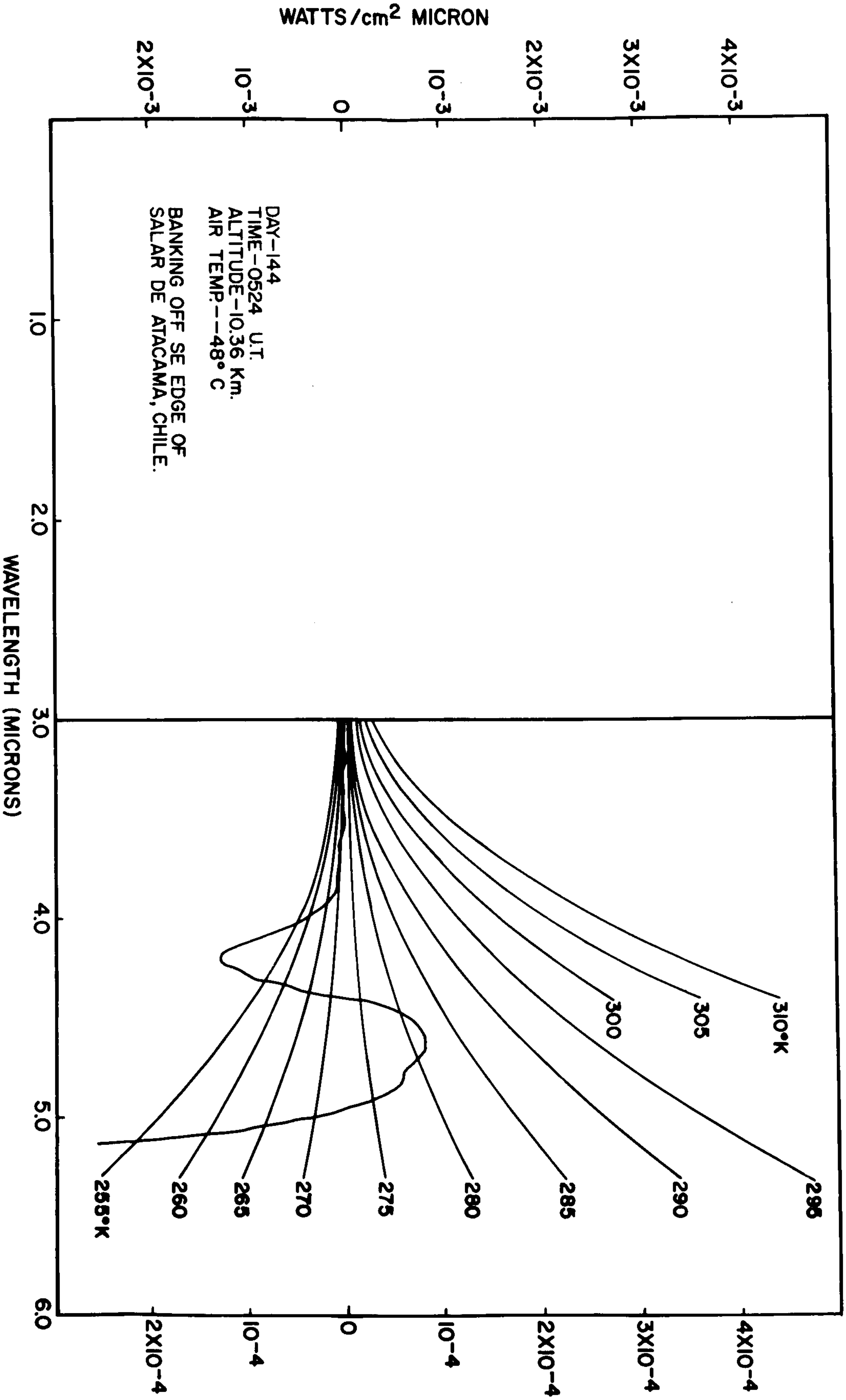
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0522 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
W TO E RUN-ON
E PART OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

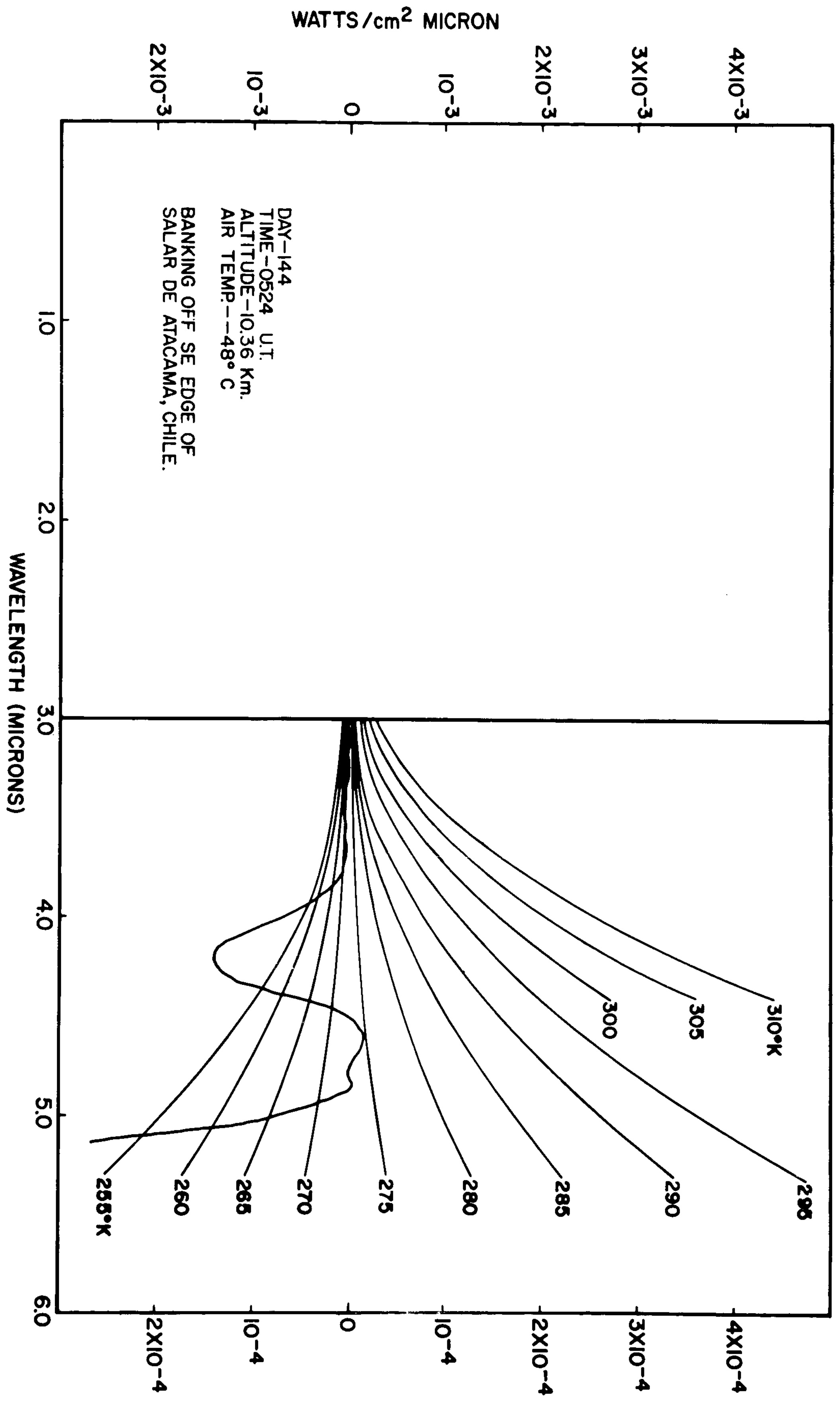


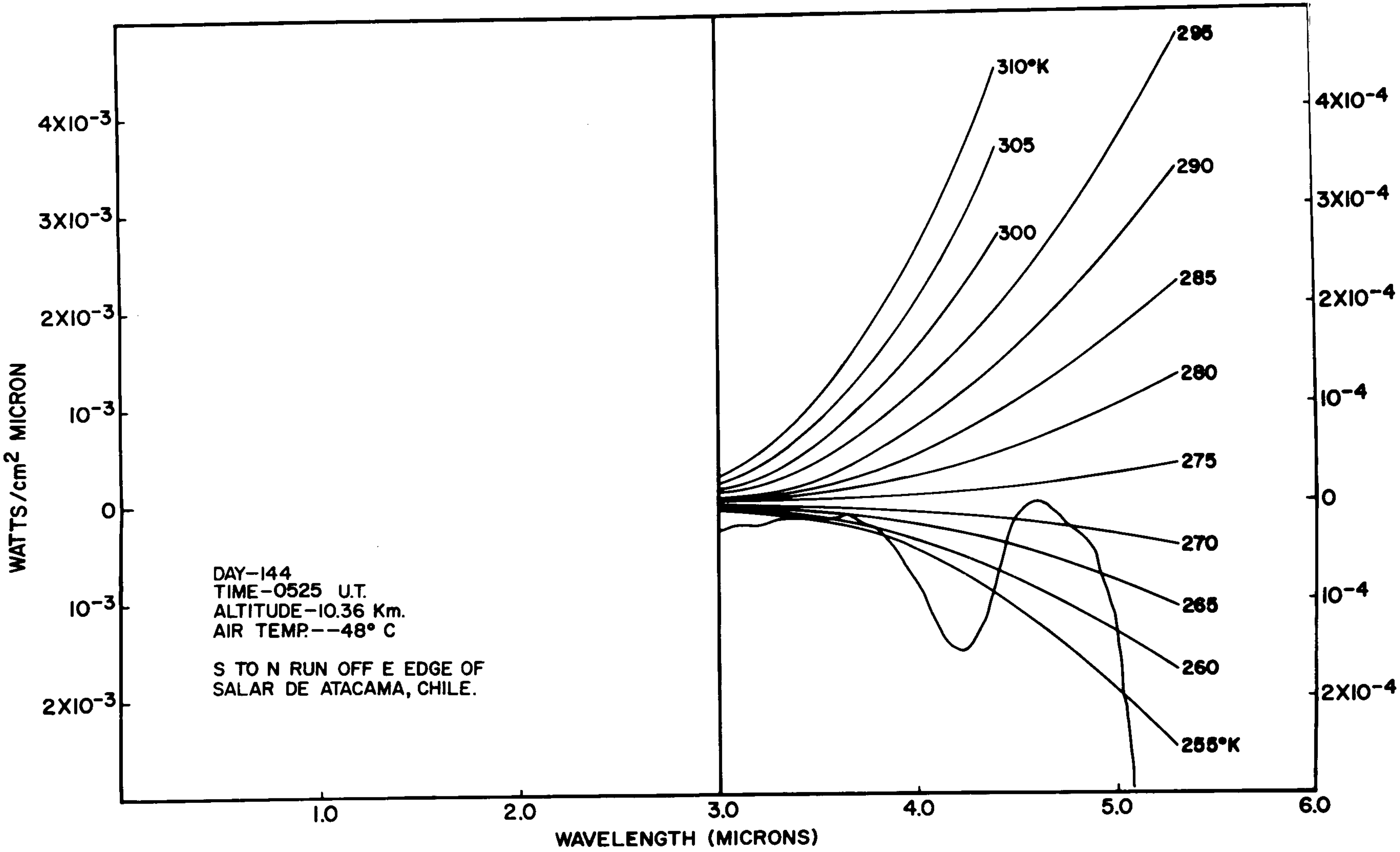
WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0523 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4



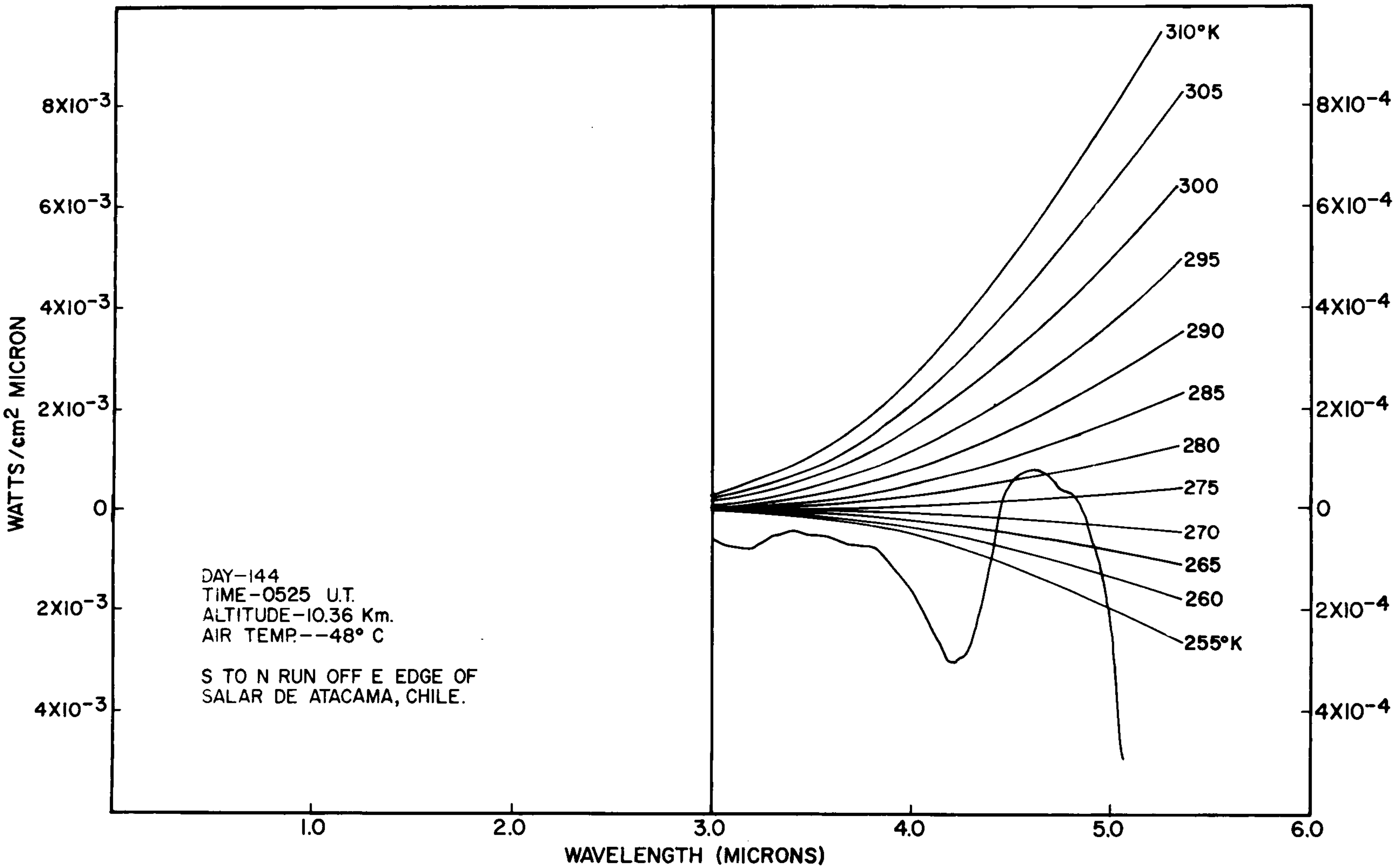
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0523 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
JUST OFF E. EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0524 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
BANKING OFF SE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

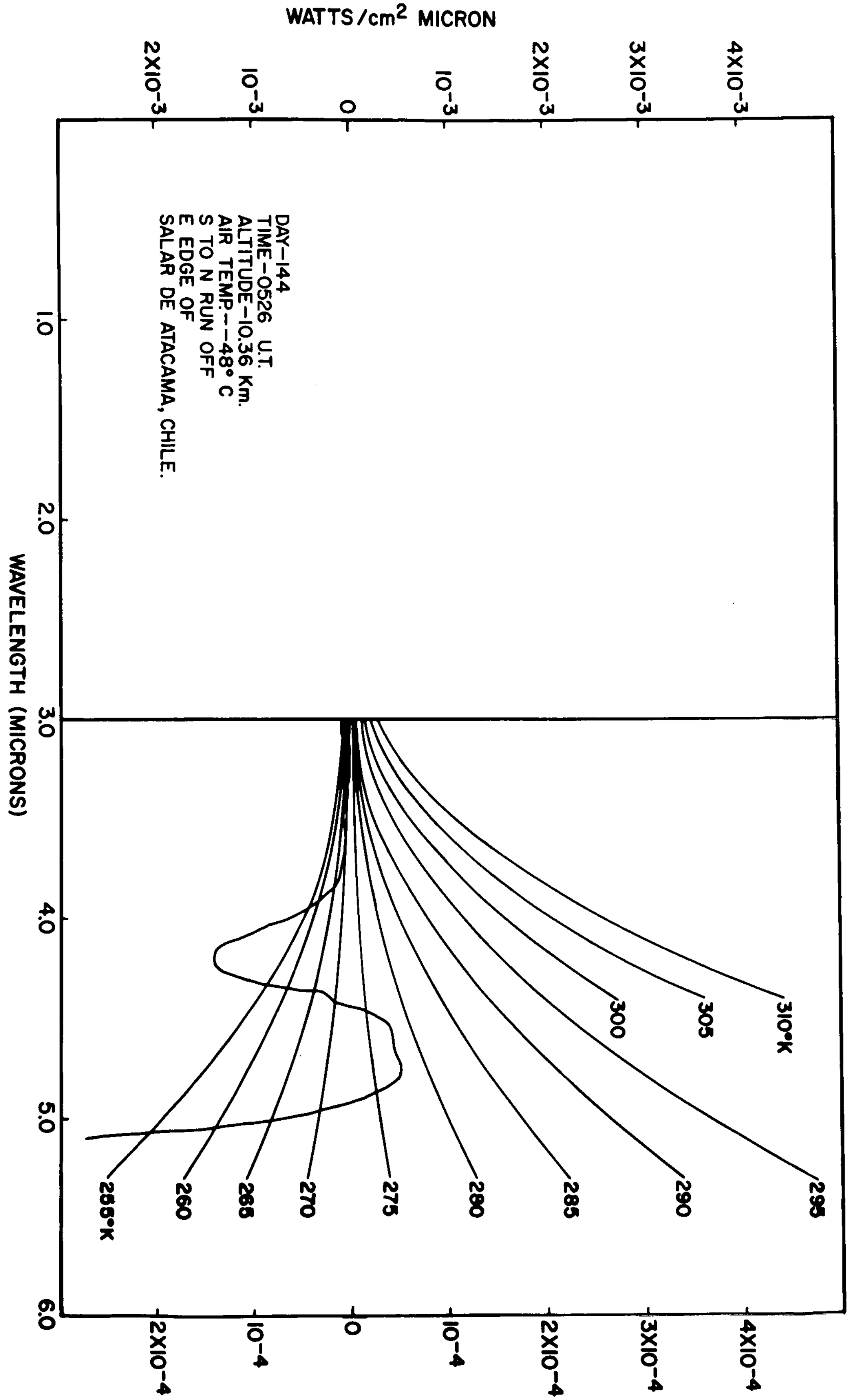

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0524 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
BANKING OFF SE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

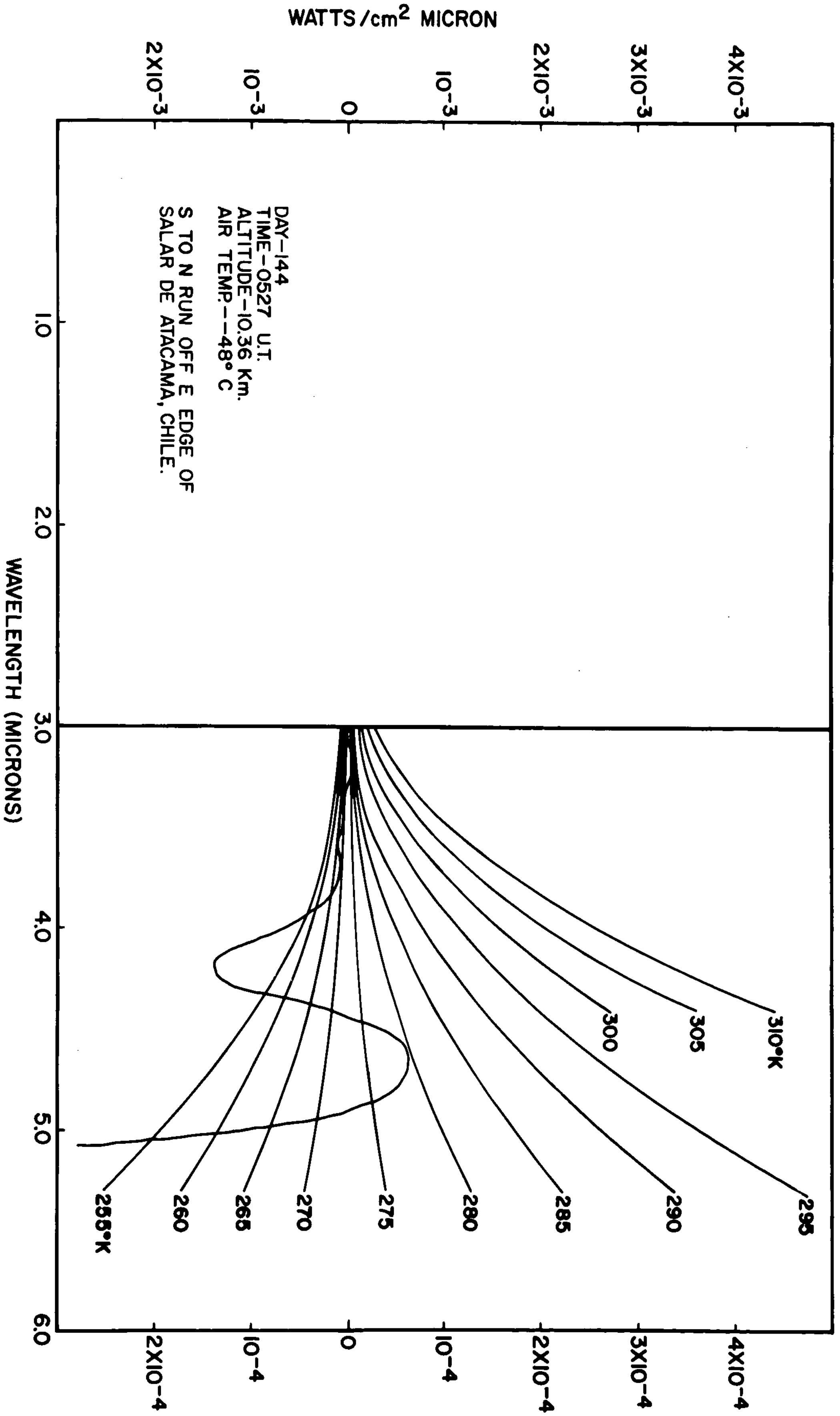


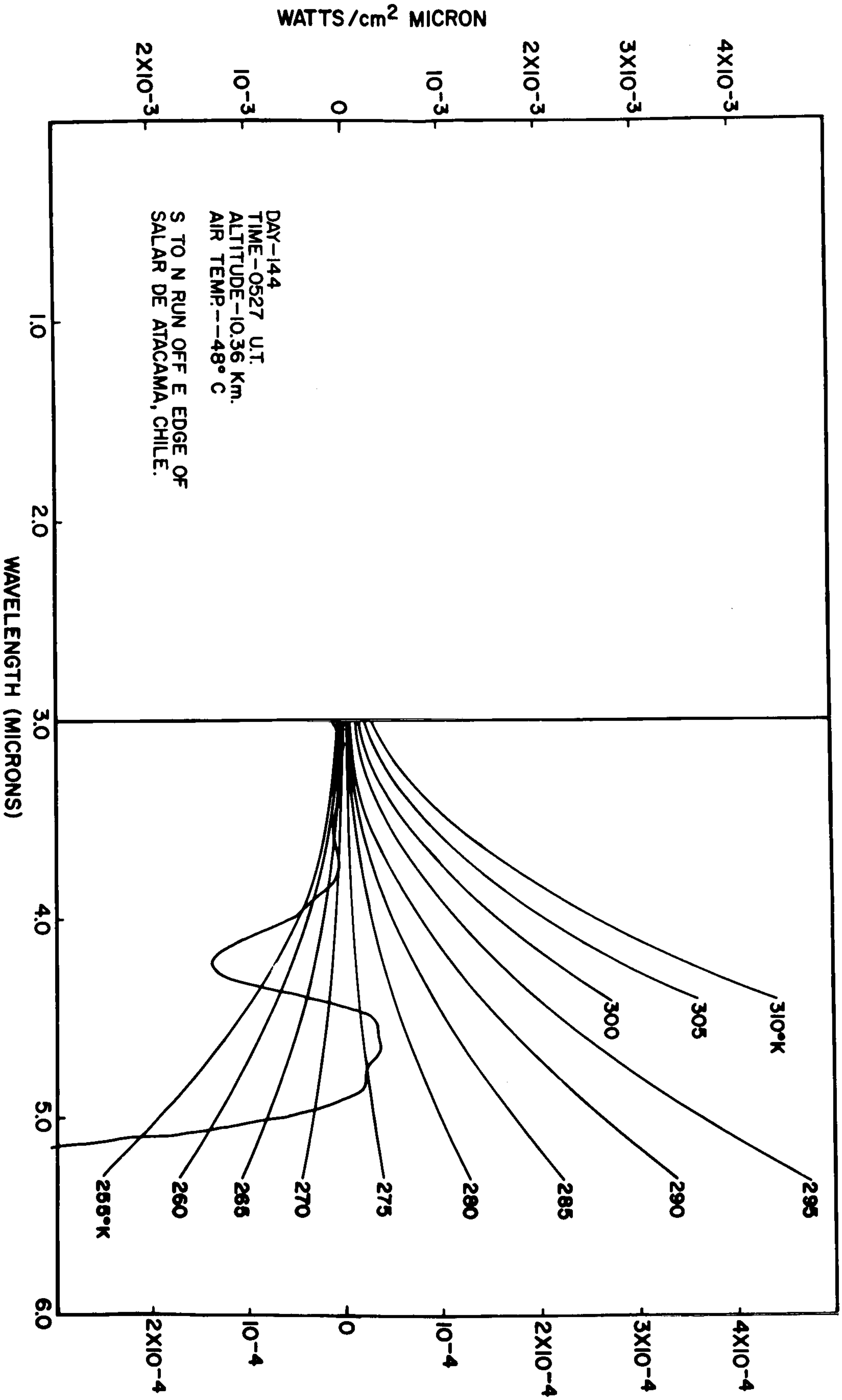
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0525 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)



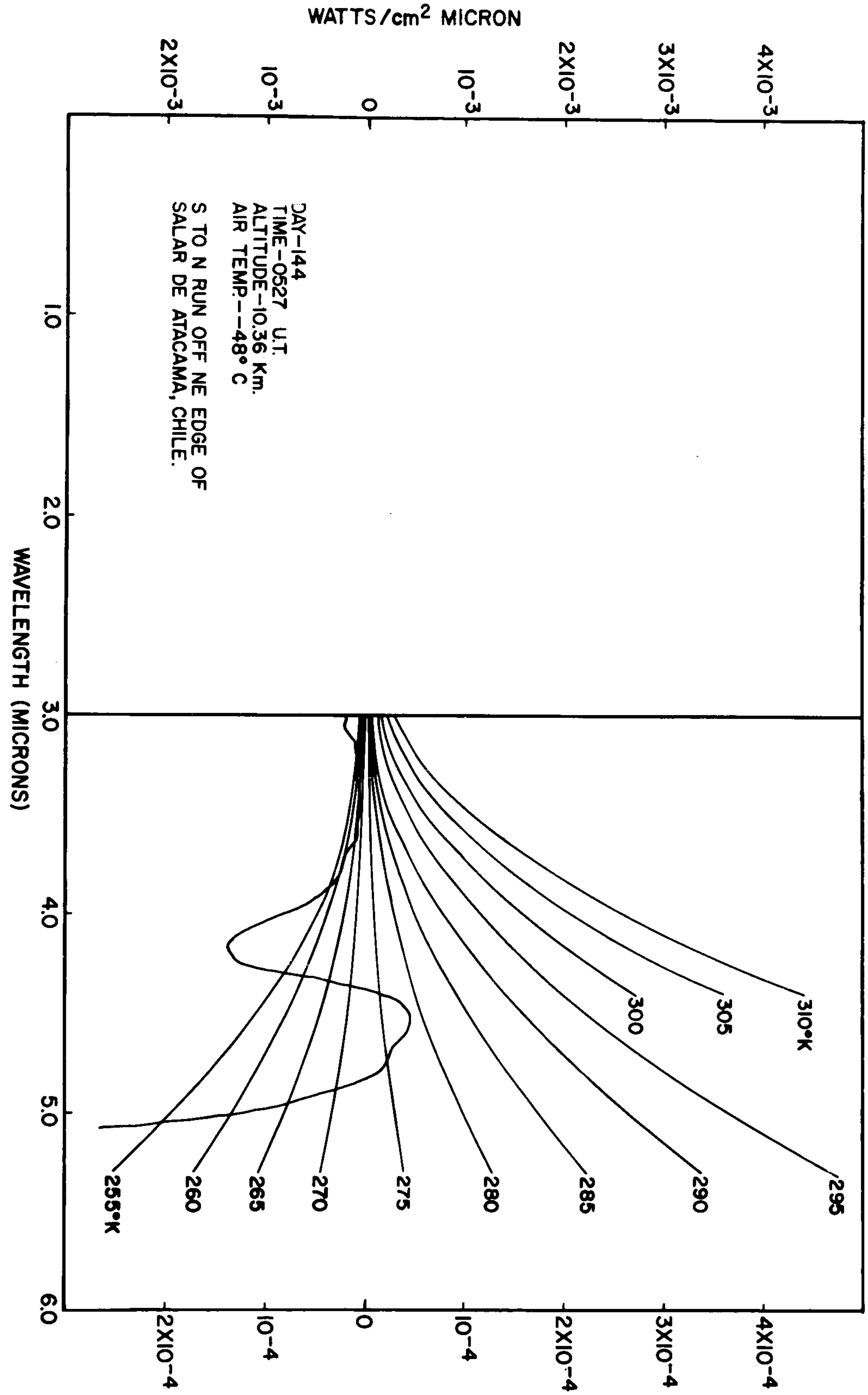
WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4
DAY-144
TIME-0525 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

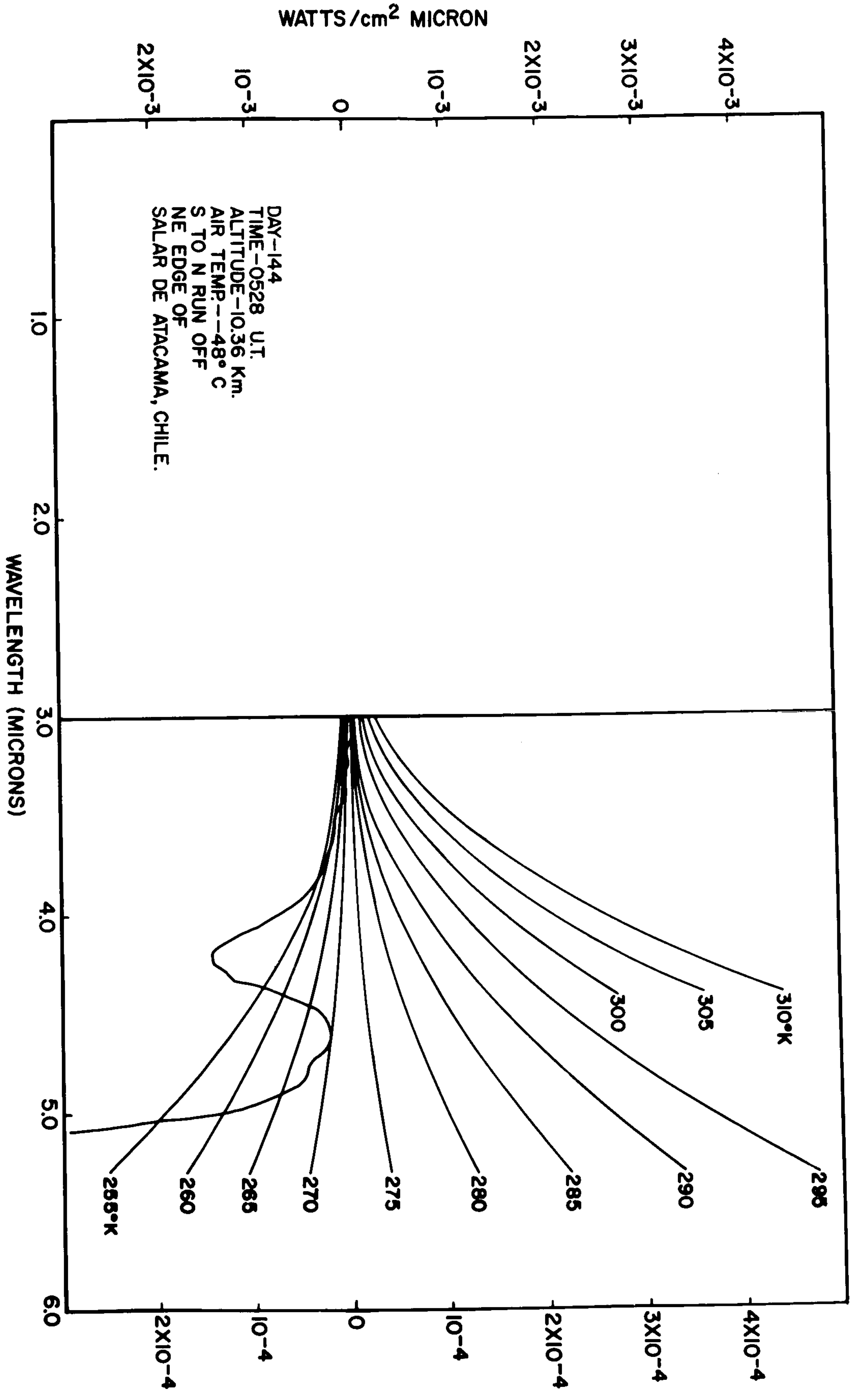

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-144
TIME-0526 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY–144
TIME–0527 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –48° C
S TO N RUN OFF E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

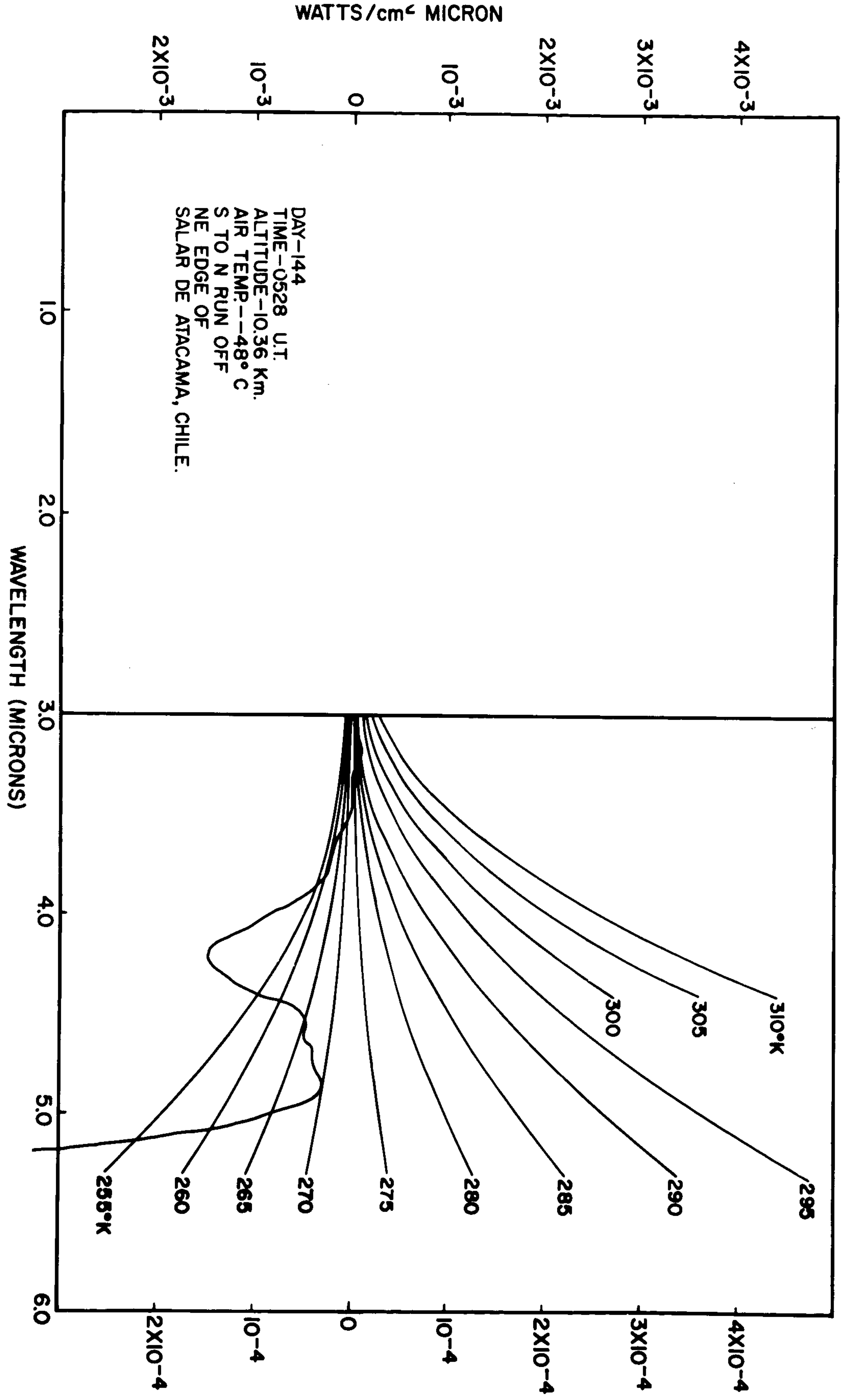


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0527 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

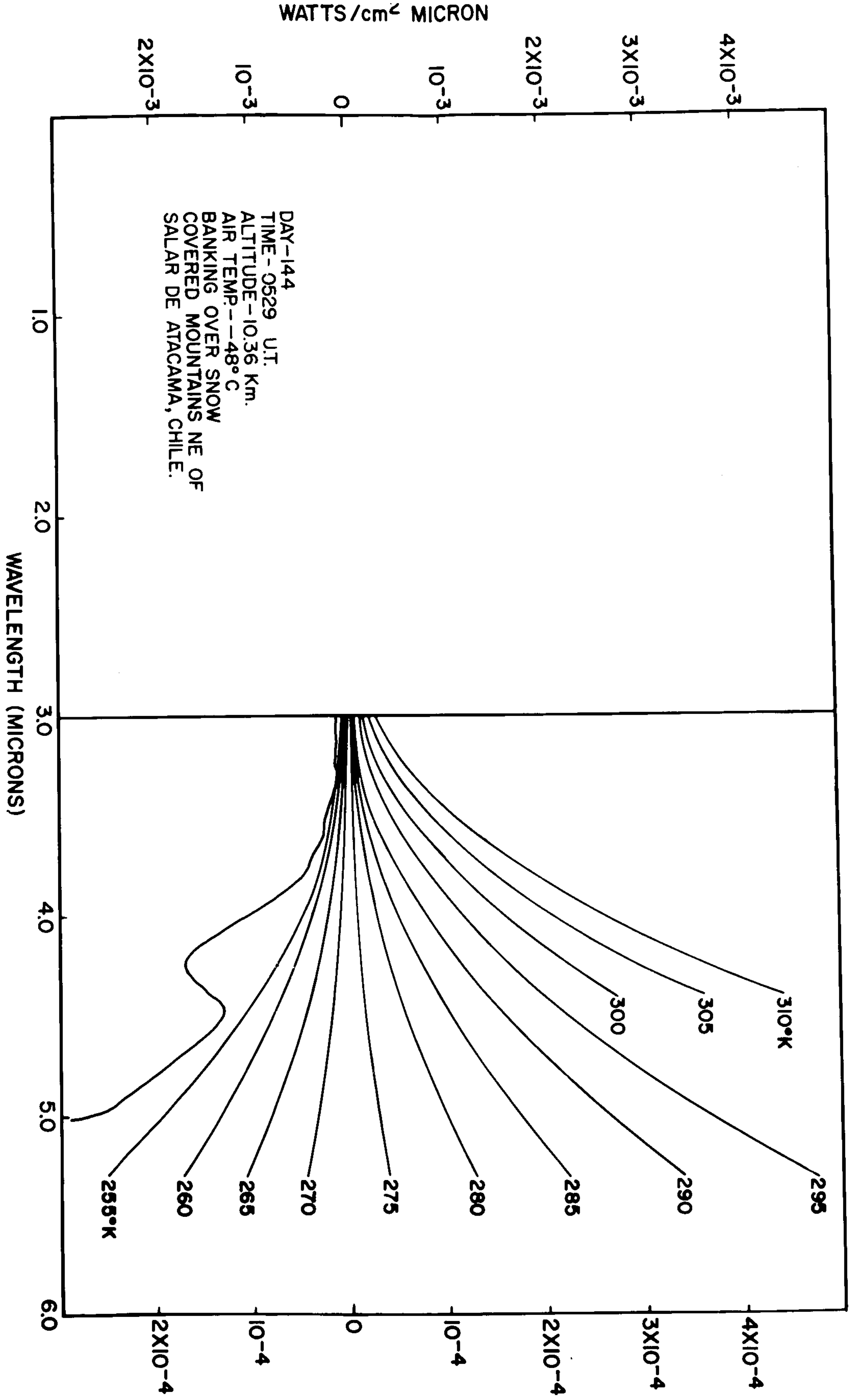

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0527 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF NE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

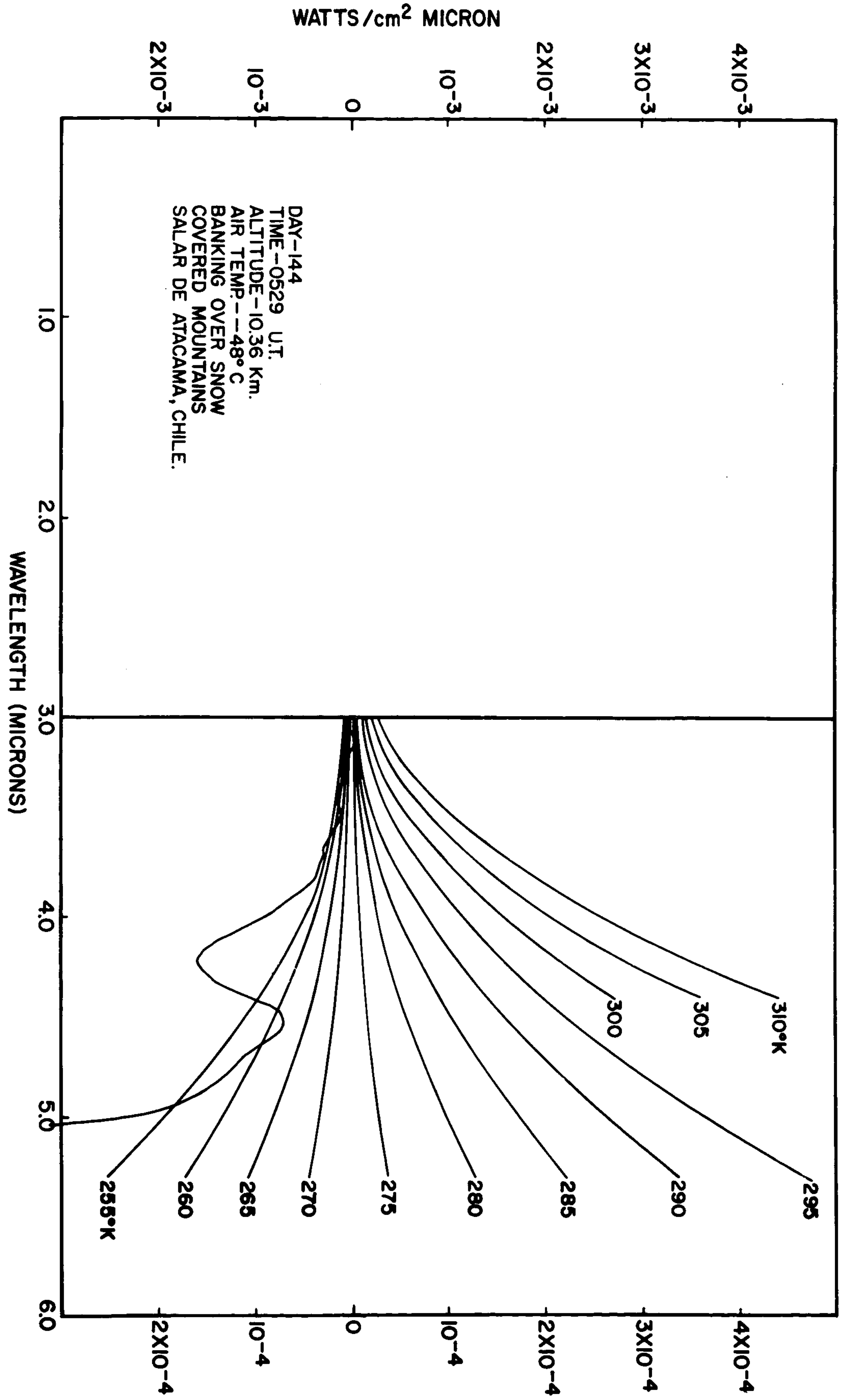


WATTS/cm^2 MICRON
$4X10^{-3}$
$3X10^{-3}$
$2X10^{-3}$
10^{-3}
0
10^{-3}
$2X10^{-3}$
DAY-144
TIME-0528 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF
NE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
$4X10^{-4}$
$3X10^{-4}$
$2X10^{-4}$
10^{-4}
0
10^{-4}
$2X10^{-4}$

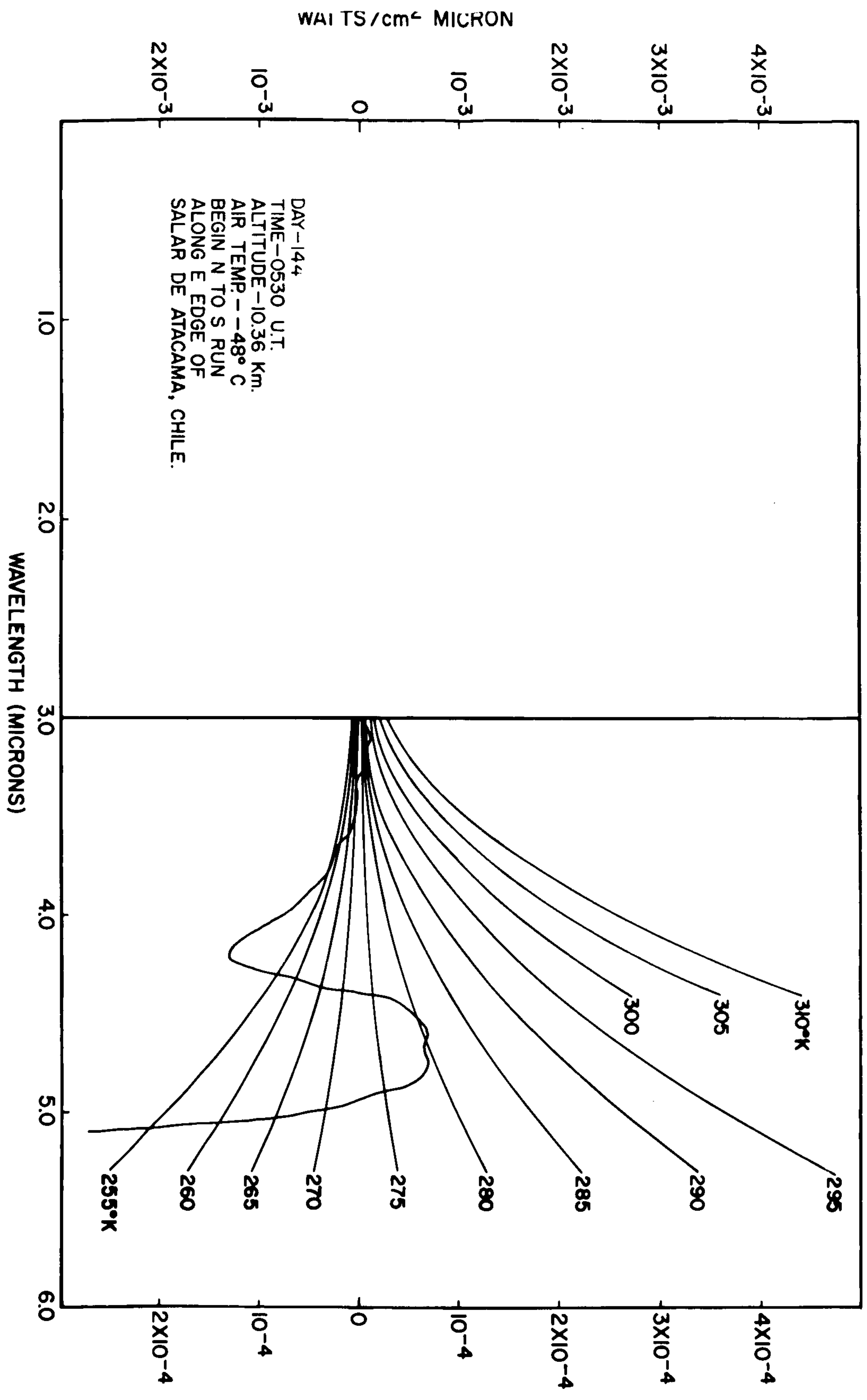


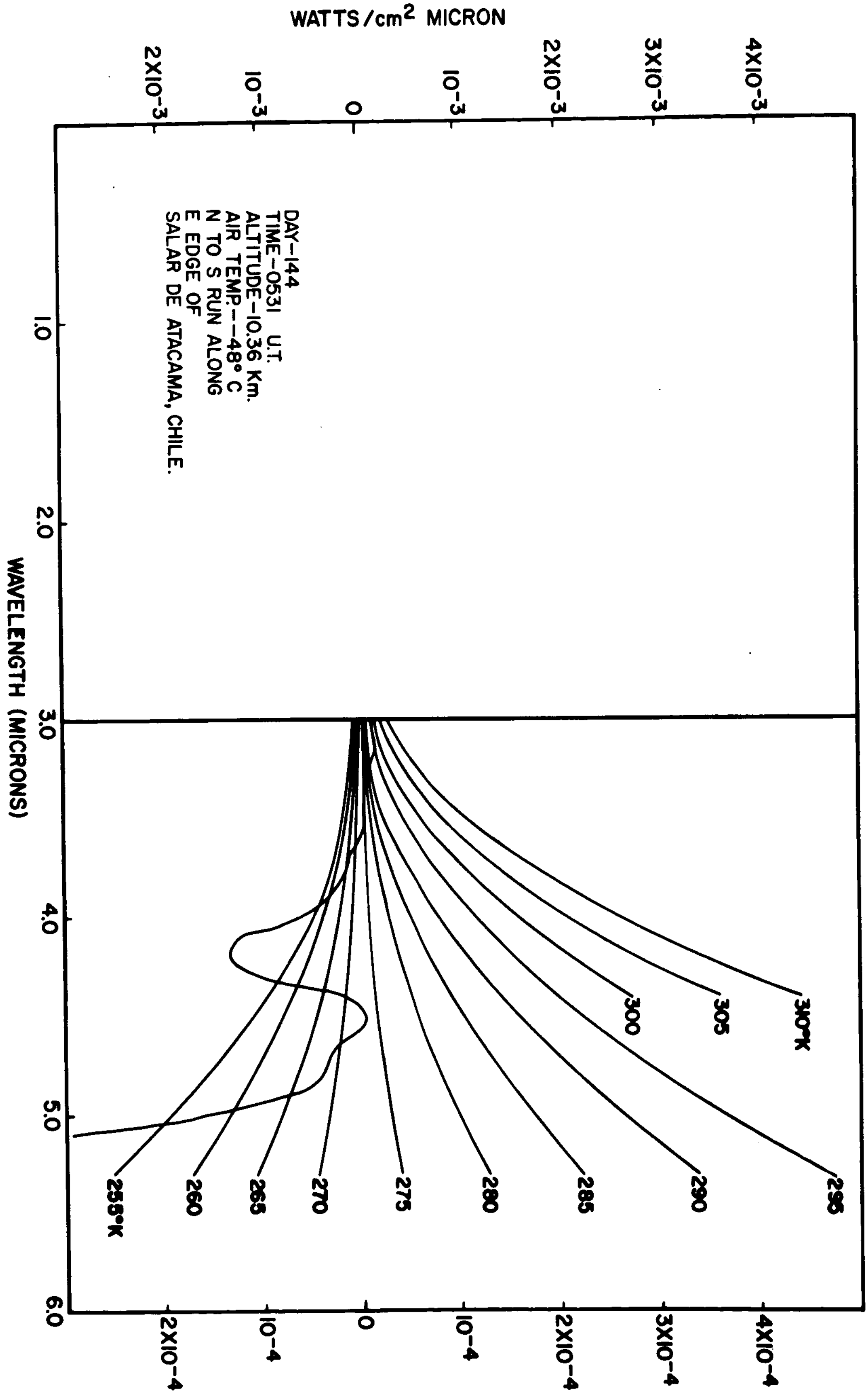
WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0528 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN OFF
NE EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4


WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0529 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
BANKING OVER SNOW
COVERED MOUNTAINS NE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

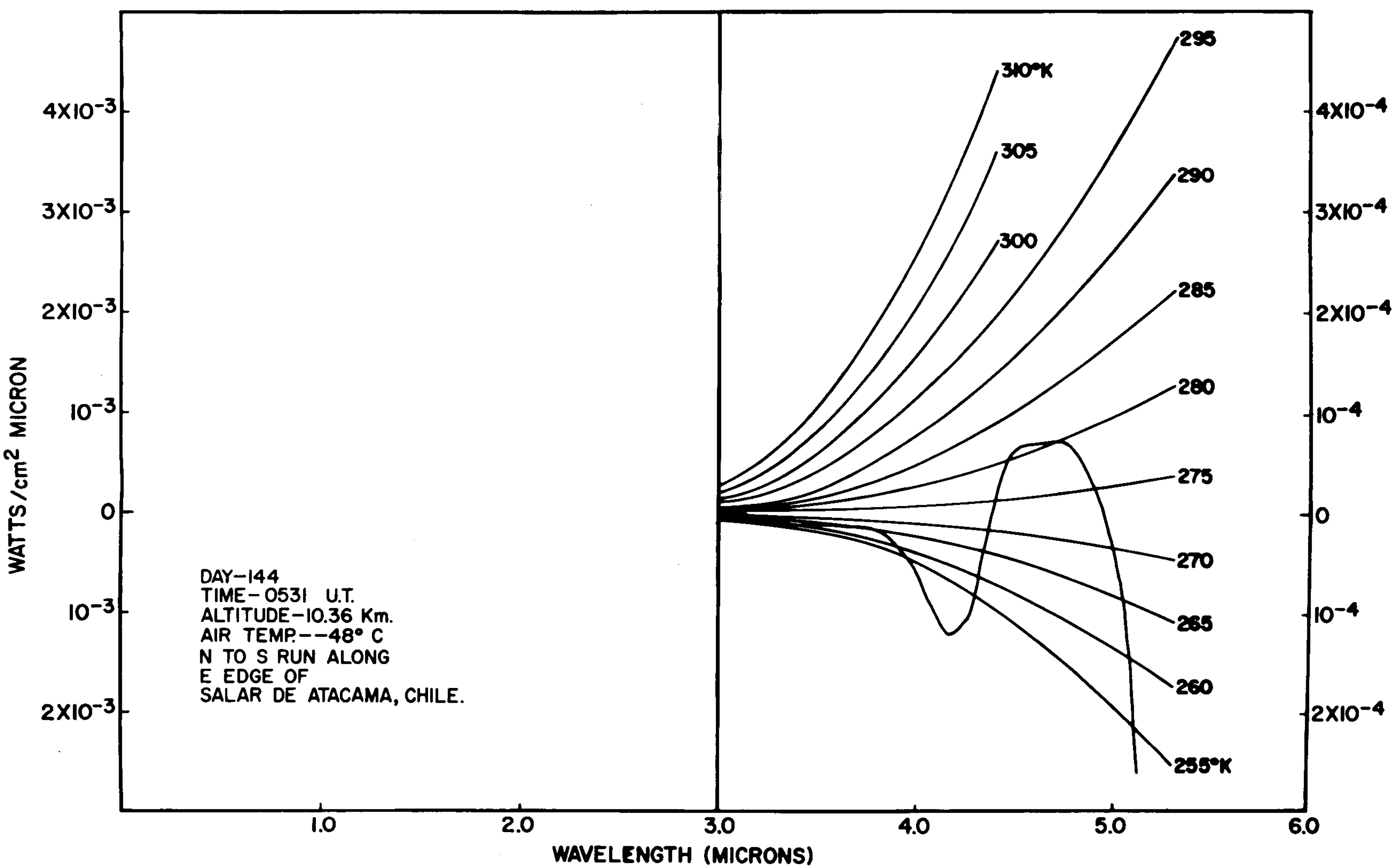


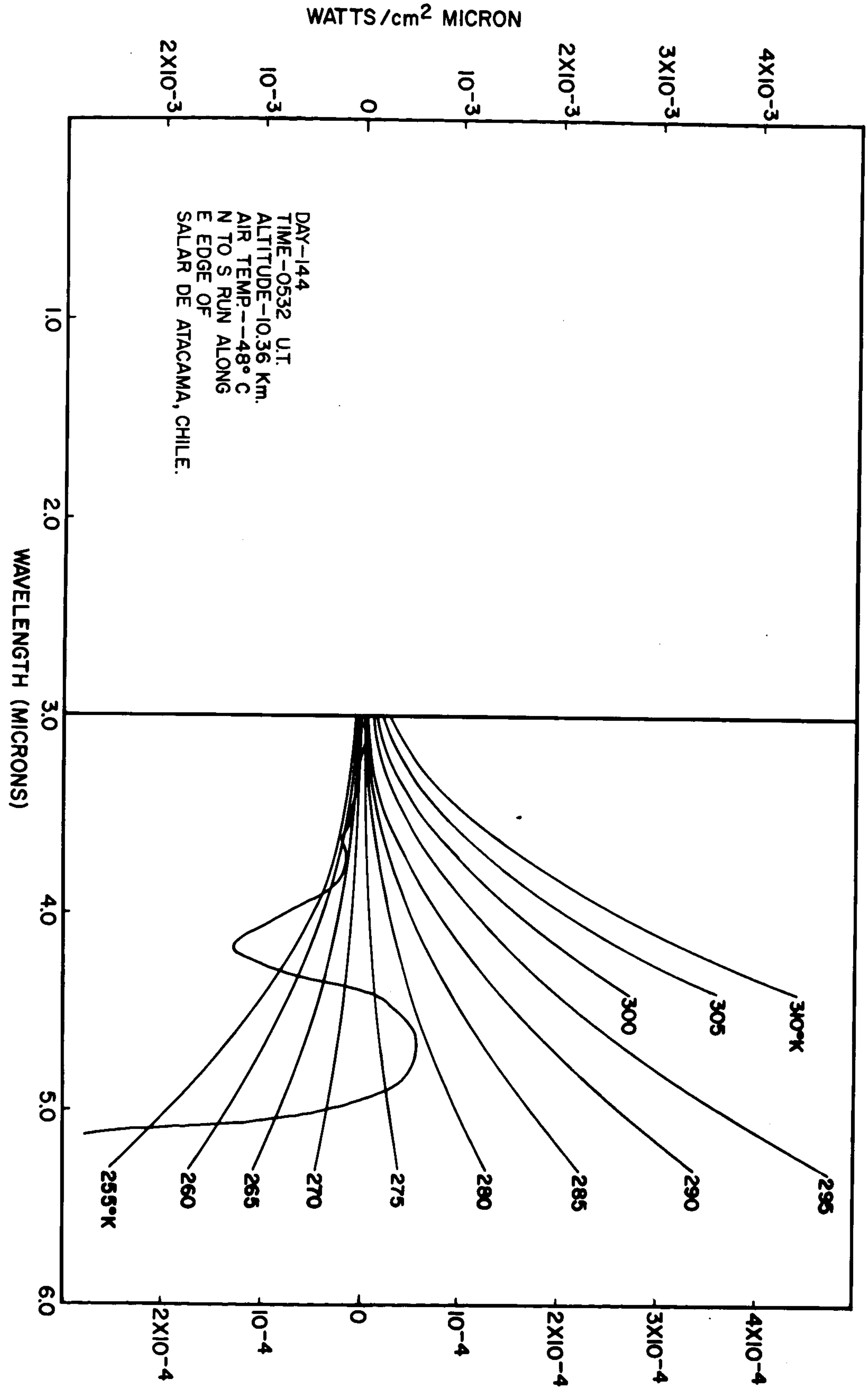
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0529 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
BANKING OVER SNOW
COVERED MOUNTAINS
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

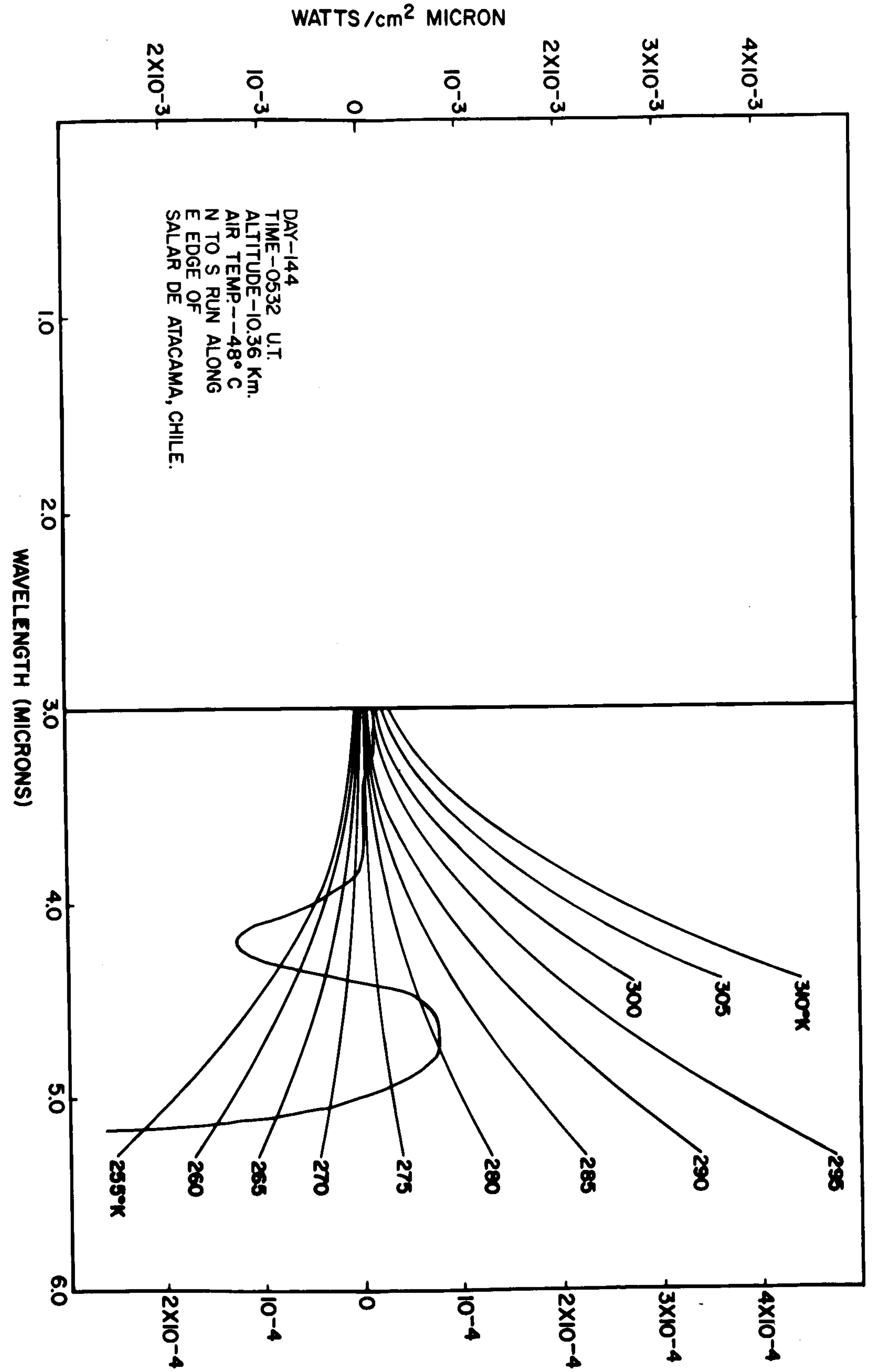

WATTS/cm² MICRON
DAY-144
TIME-0530 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -48° C
BEGIN N TO S RUN
ALONG E EDGE OF
SALAR DE ATACAMA, CHILE.
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K



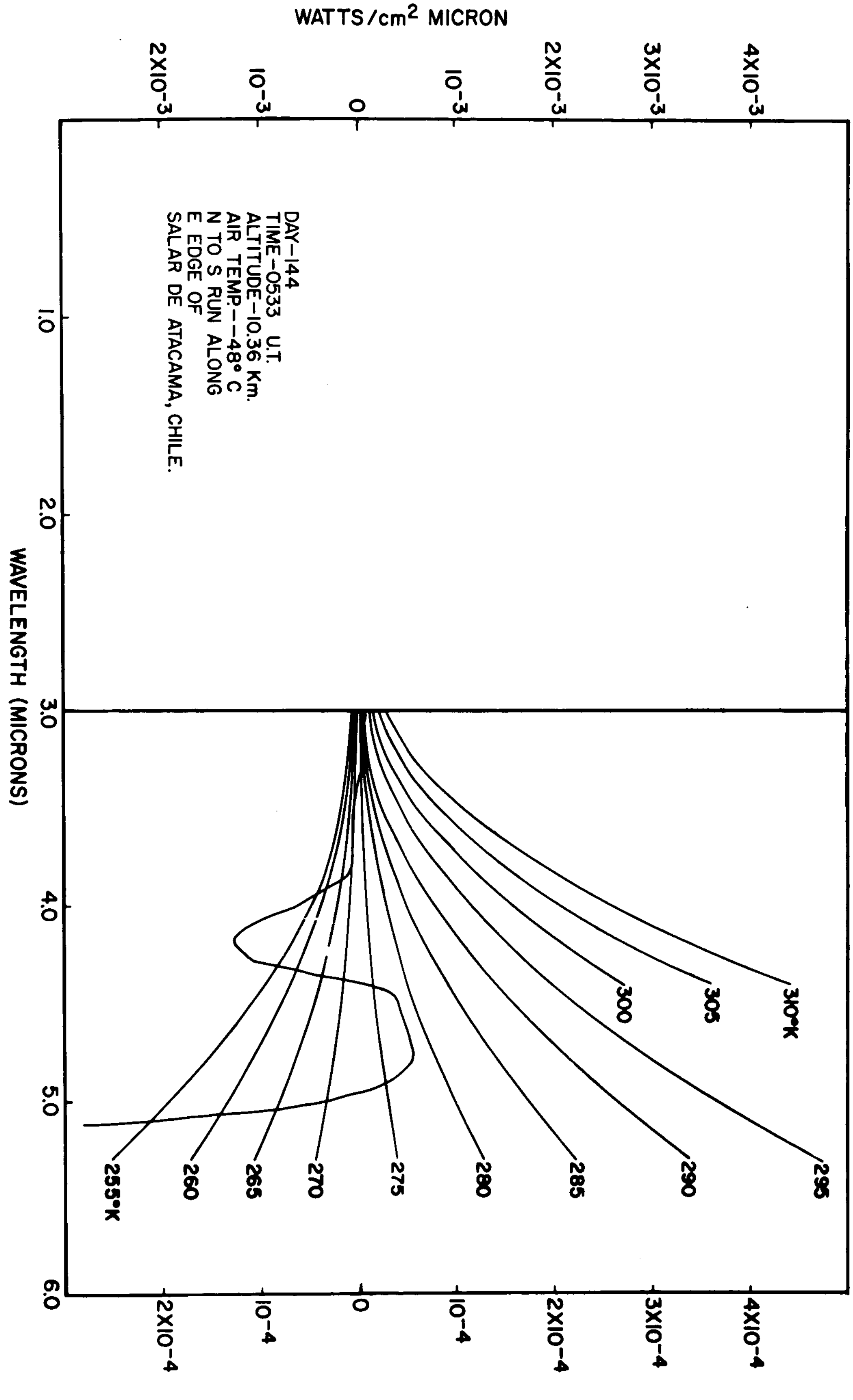
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0531 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
310°K
305
300
295
290
285
280
275
270
265
260
255°K
DAY-144
TIME-0531 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

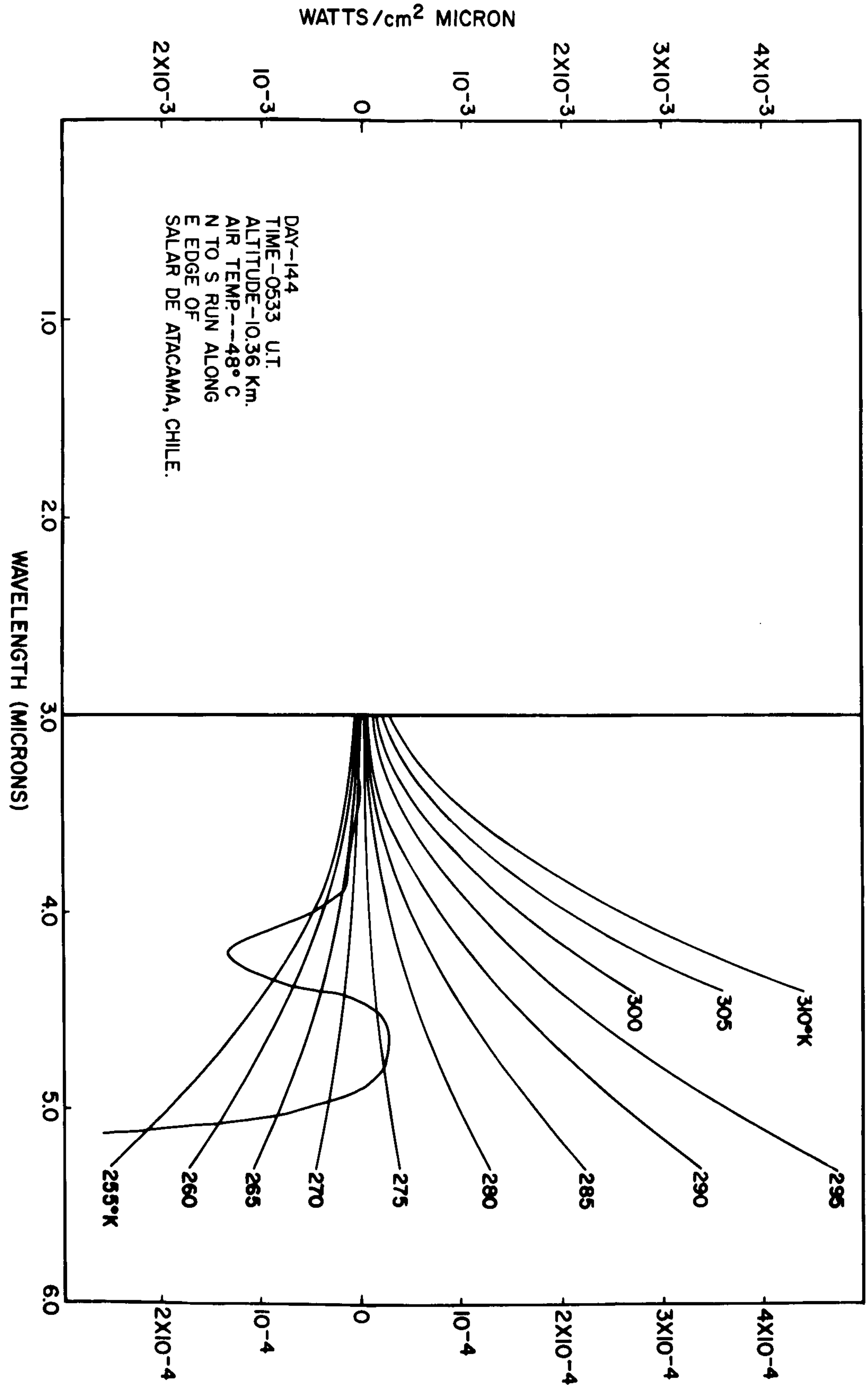

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY–144
TIME–0532 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴



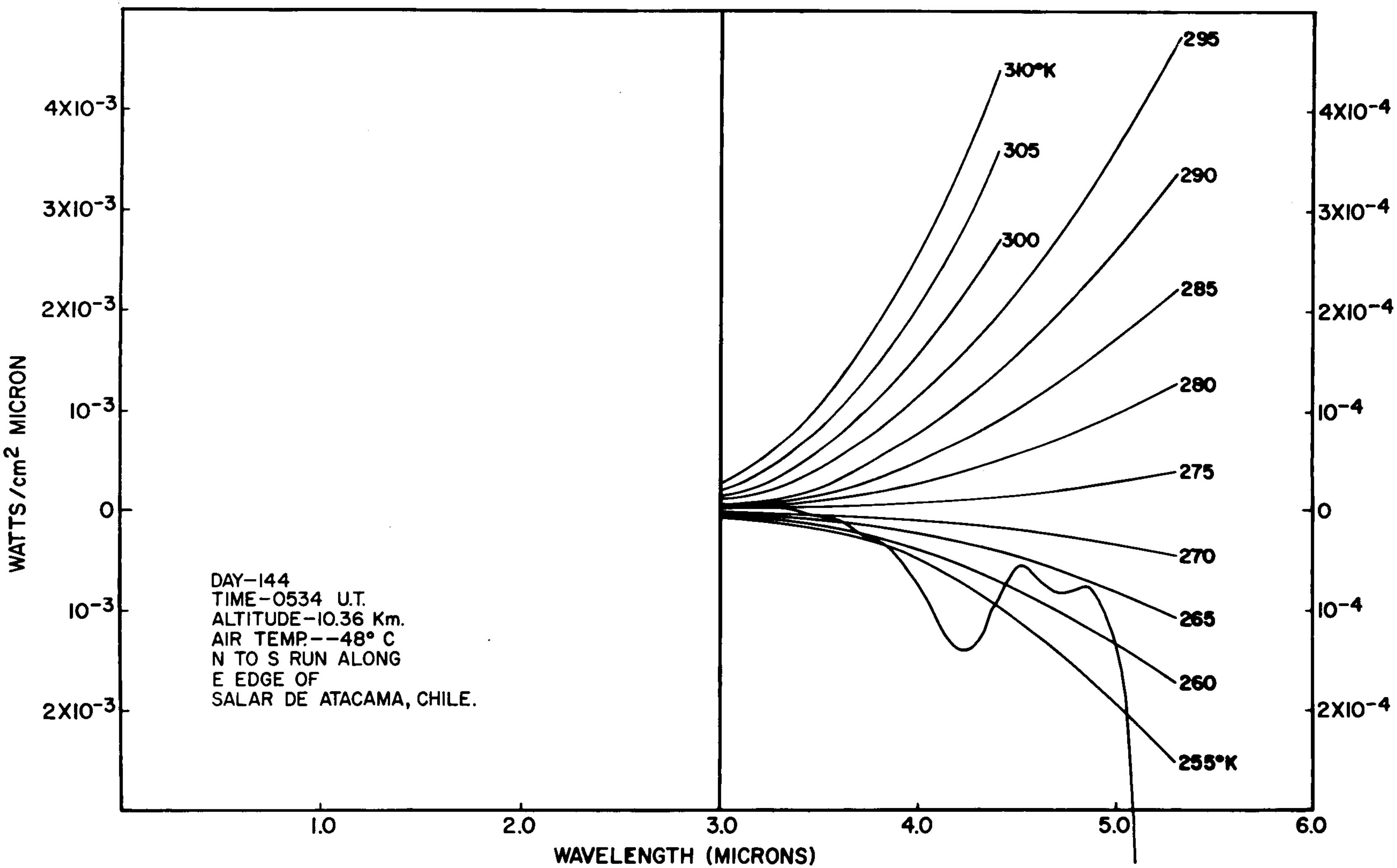
WATTS/cm^2 MICRON
$4X10^{-3}$
$3X10^{-3}$
$2X10^{-3}$
10^{-3}
0
10^{-3}
$2X10^{-3}$
DAY-144
TIME-0532 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
$4X10^{-4}$
$3X10^{-4}$
$2X10^{-4}$
10^{-4}
0
10^{-4}
$2X10^{-4}$

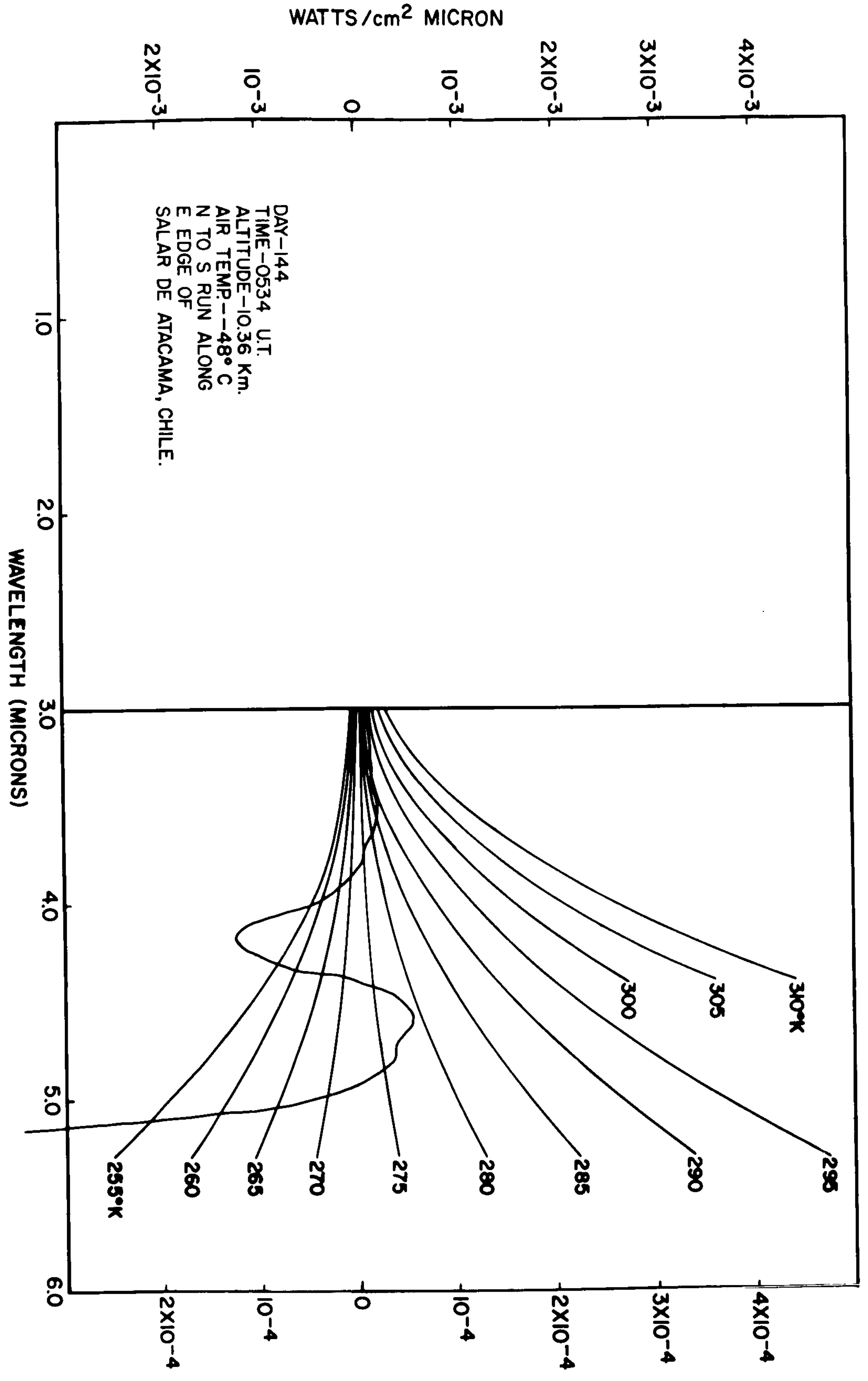


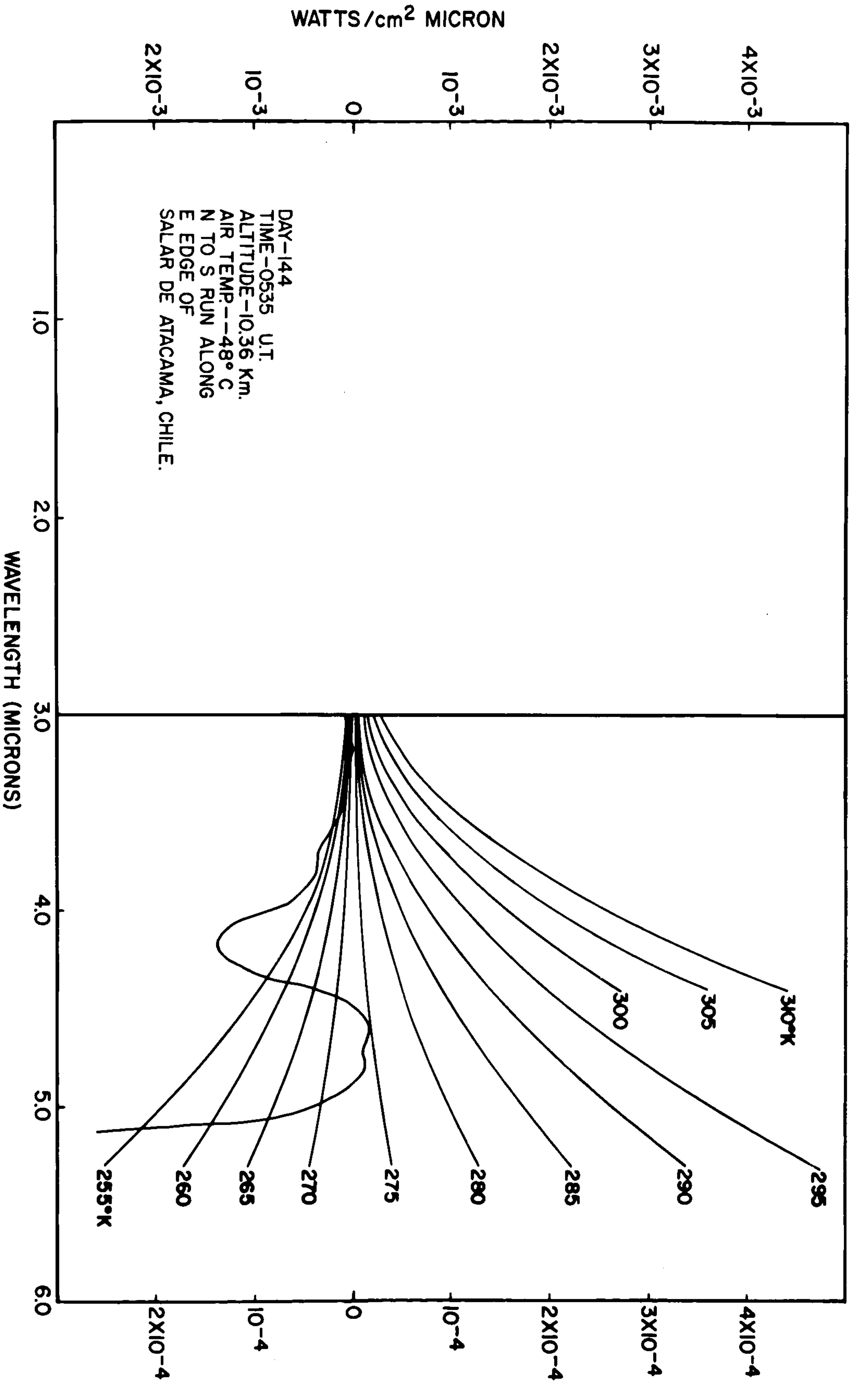
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY–144
TIME–0533 U.T.
ALTITUDE–10.36 Km.
AIR TEMP.– –48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

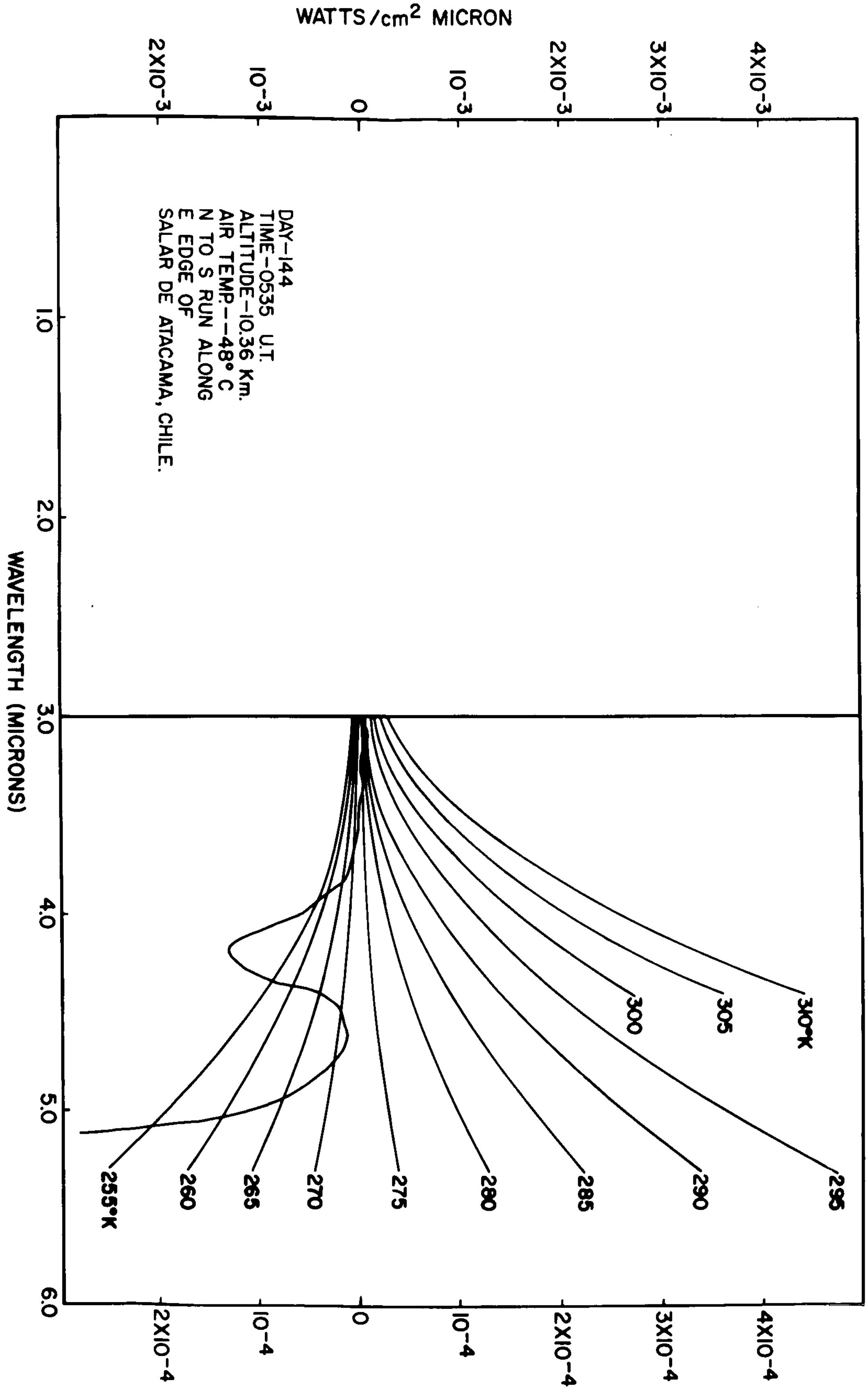


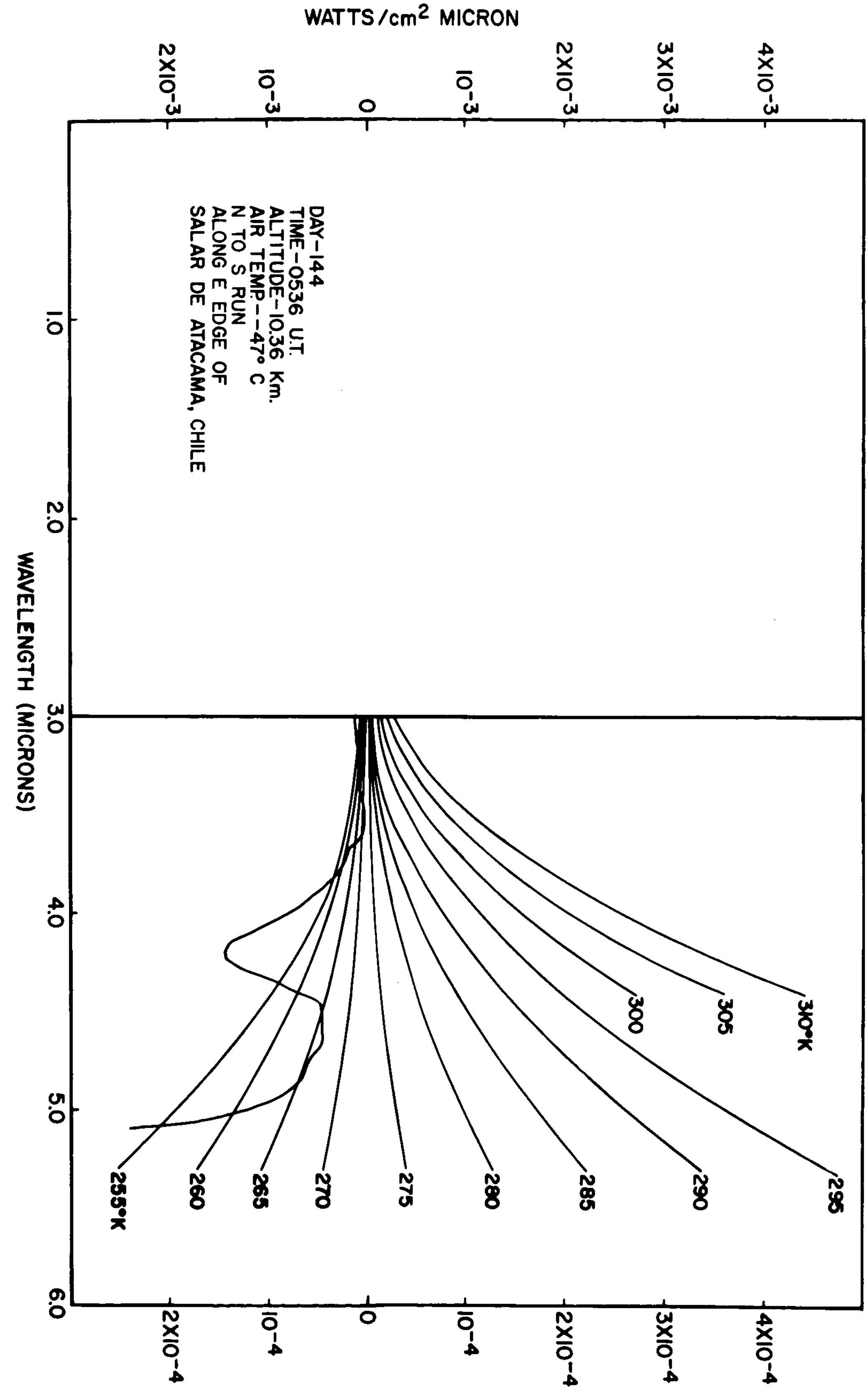
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0533 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
DAY-144
TIME-0534 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

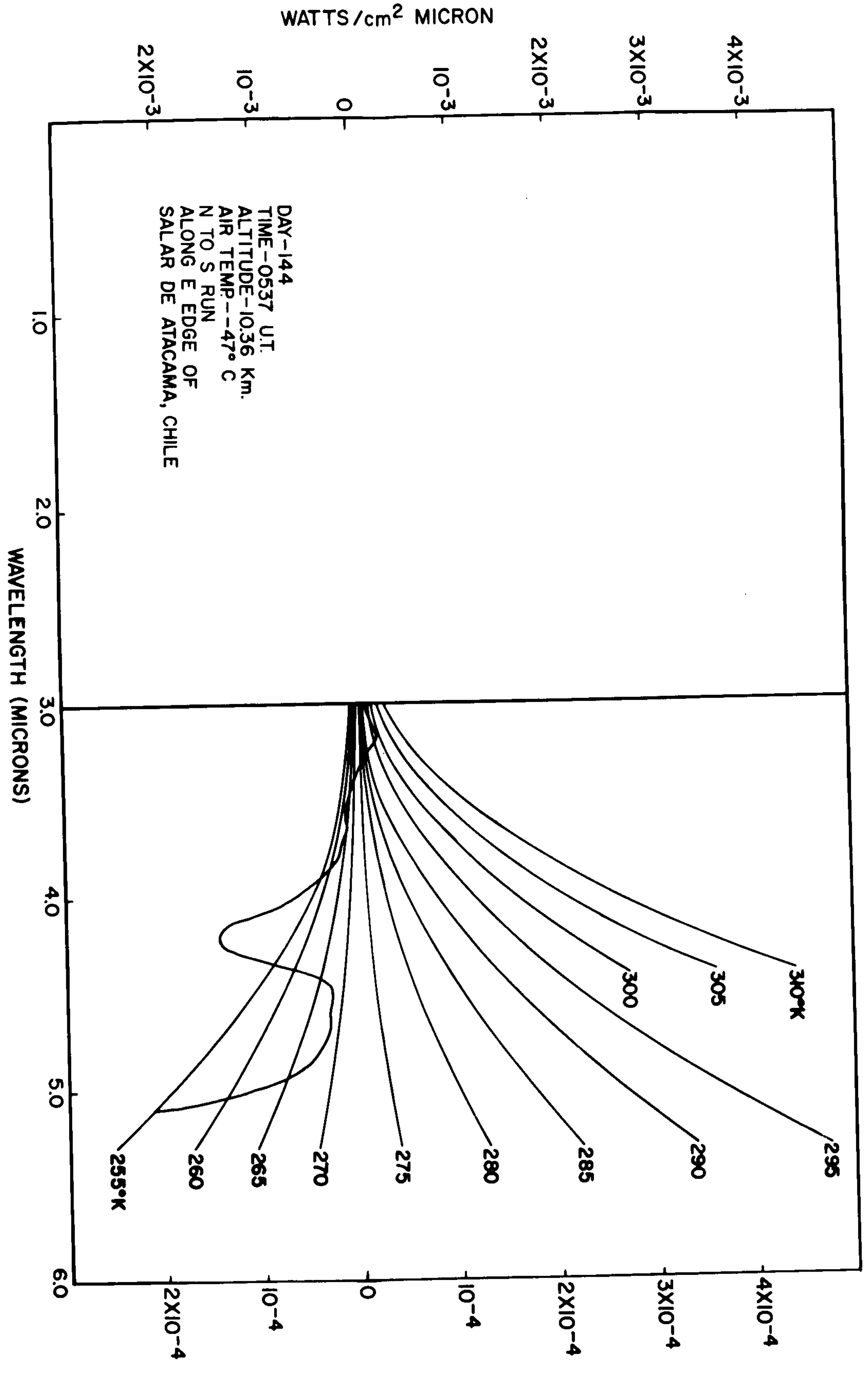

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0534 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

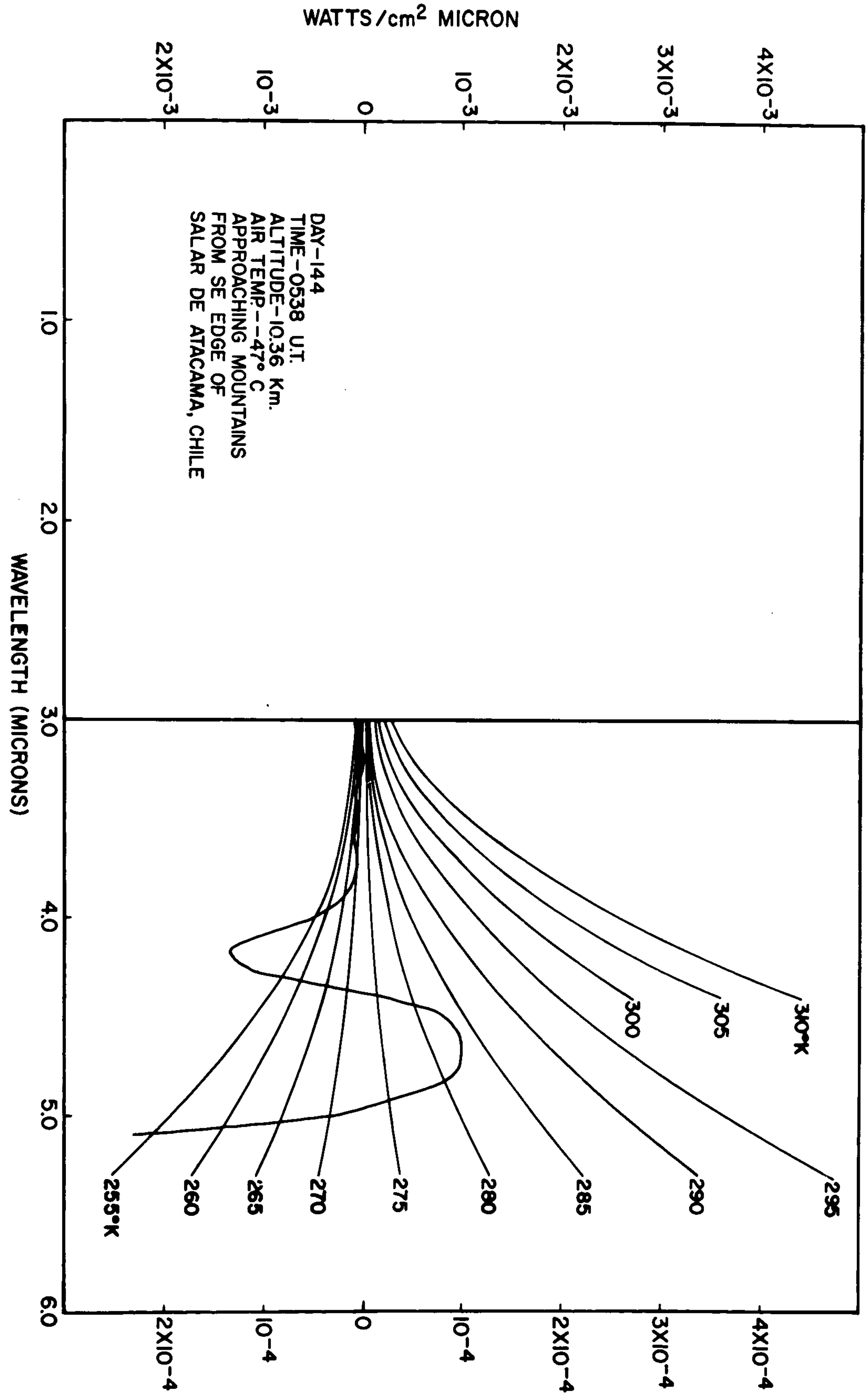

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0535 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0535 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
N TO S RUN ALONG
E EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

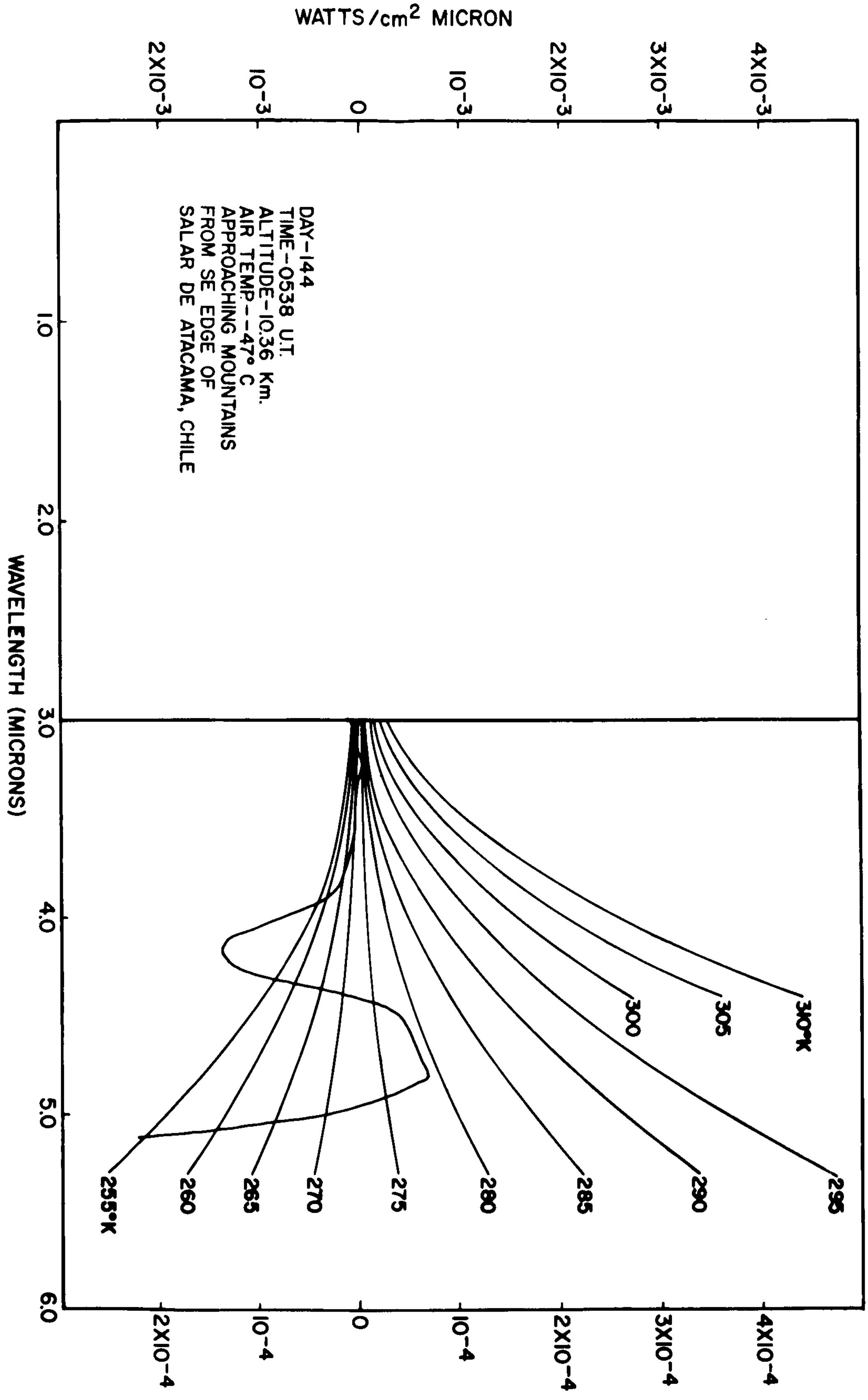


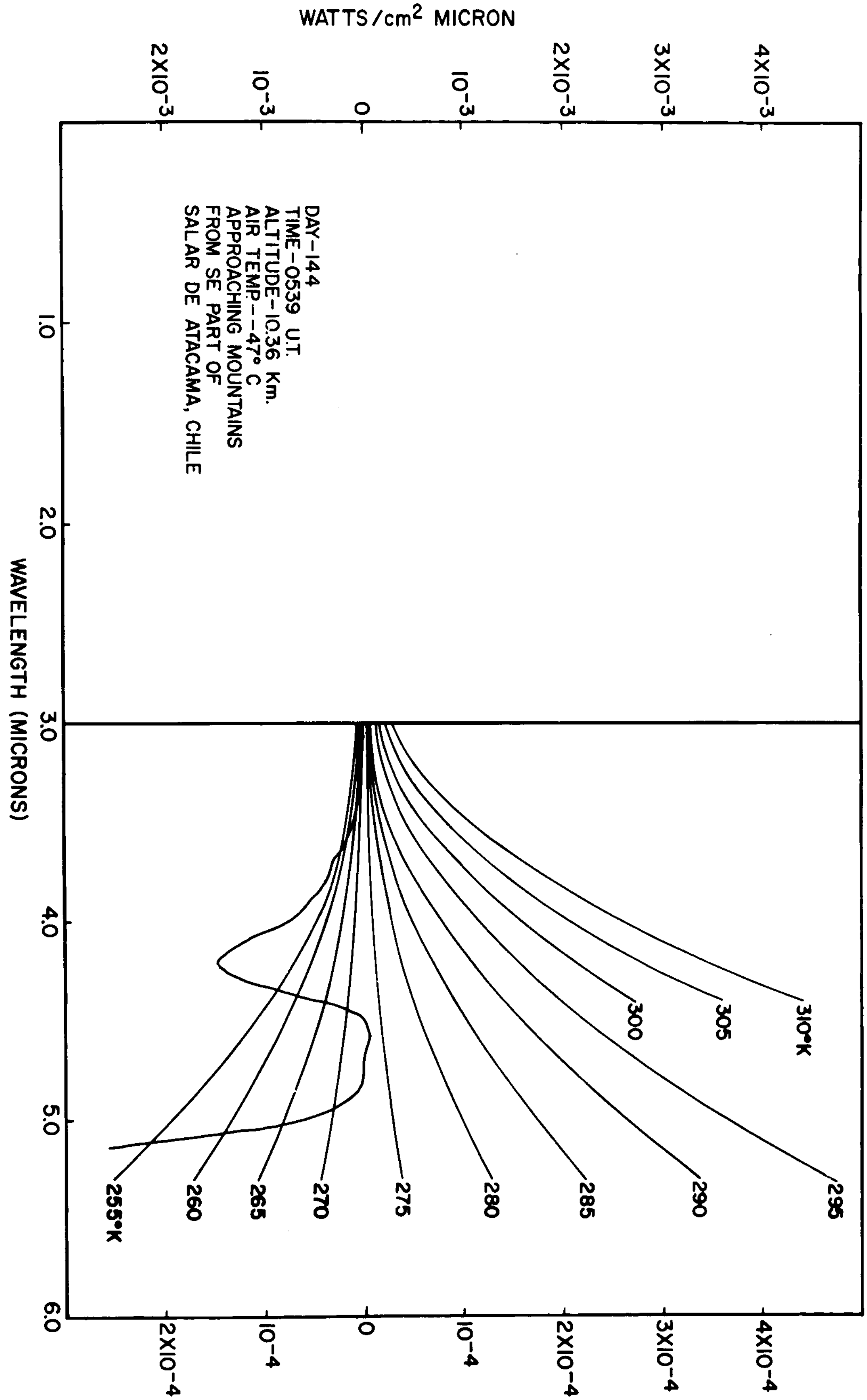
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0536 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
N TO S RUN
ALONG E EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

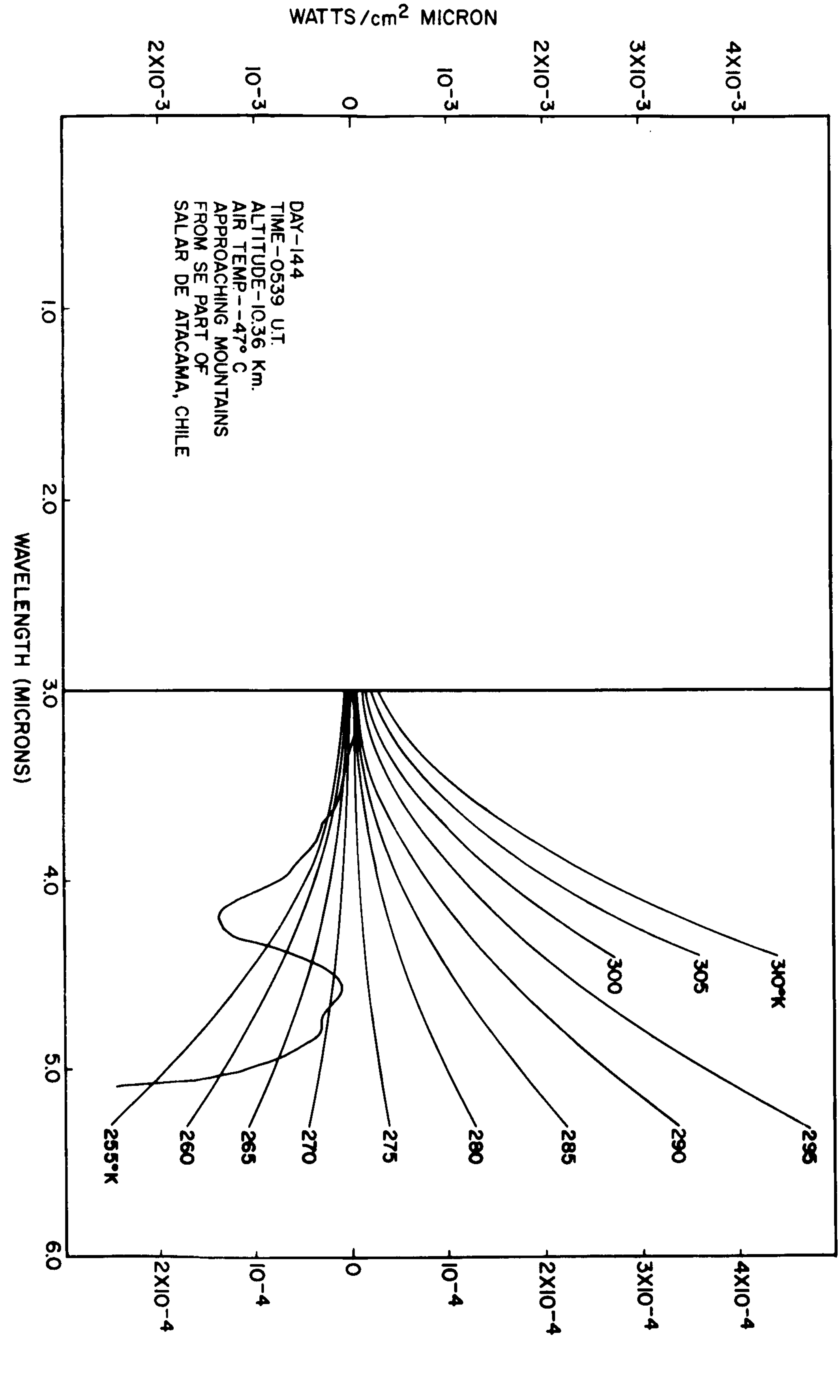

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0537 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
N TO S RUN
ALONG E EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

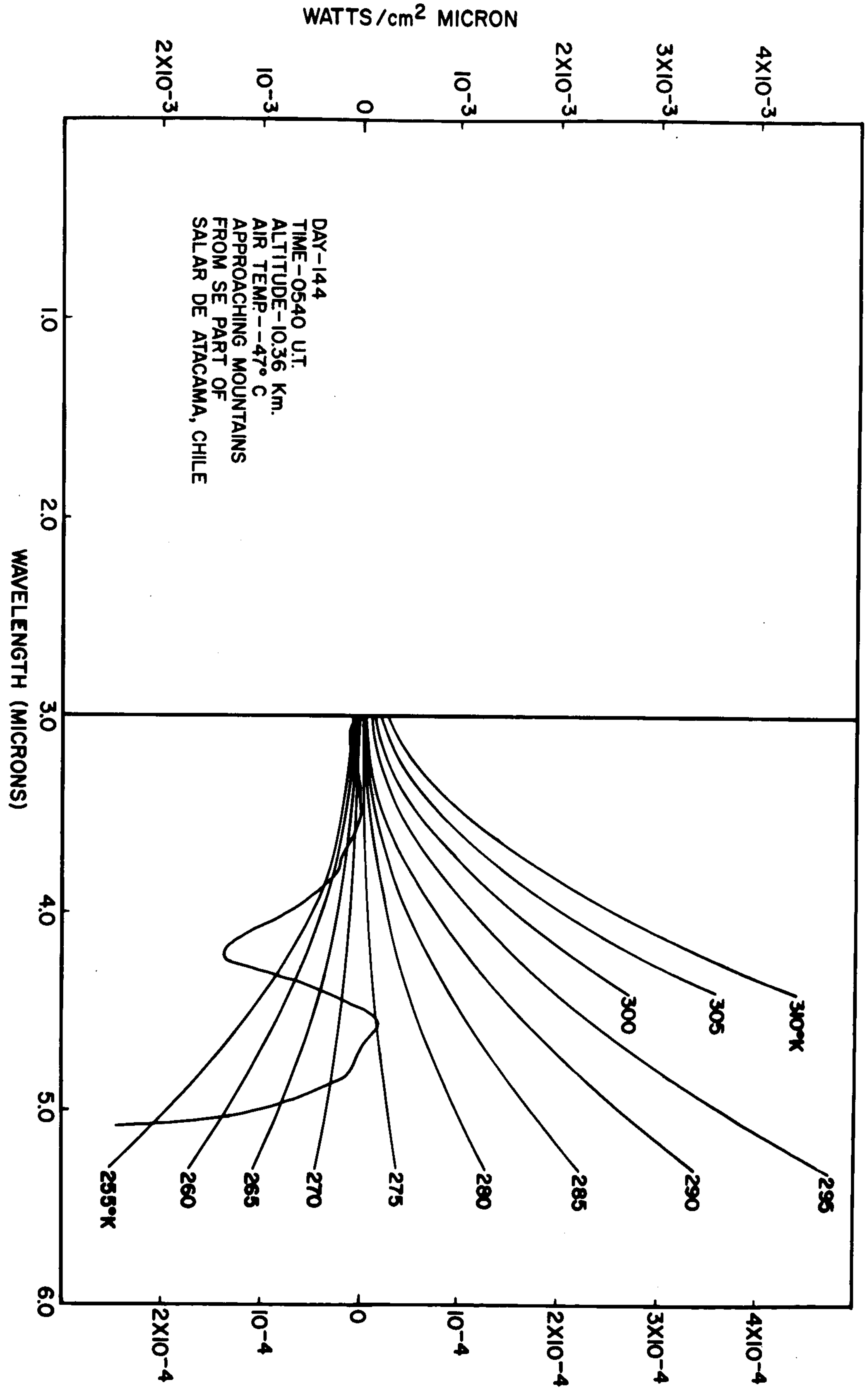


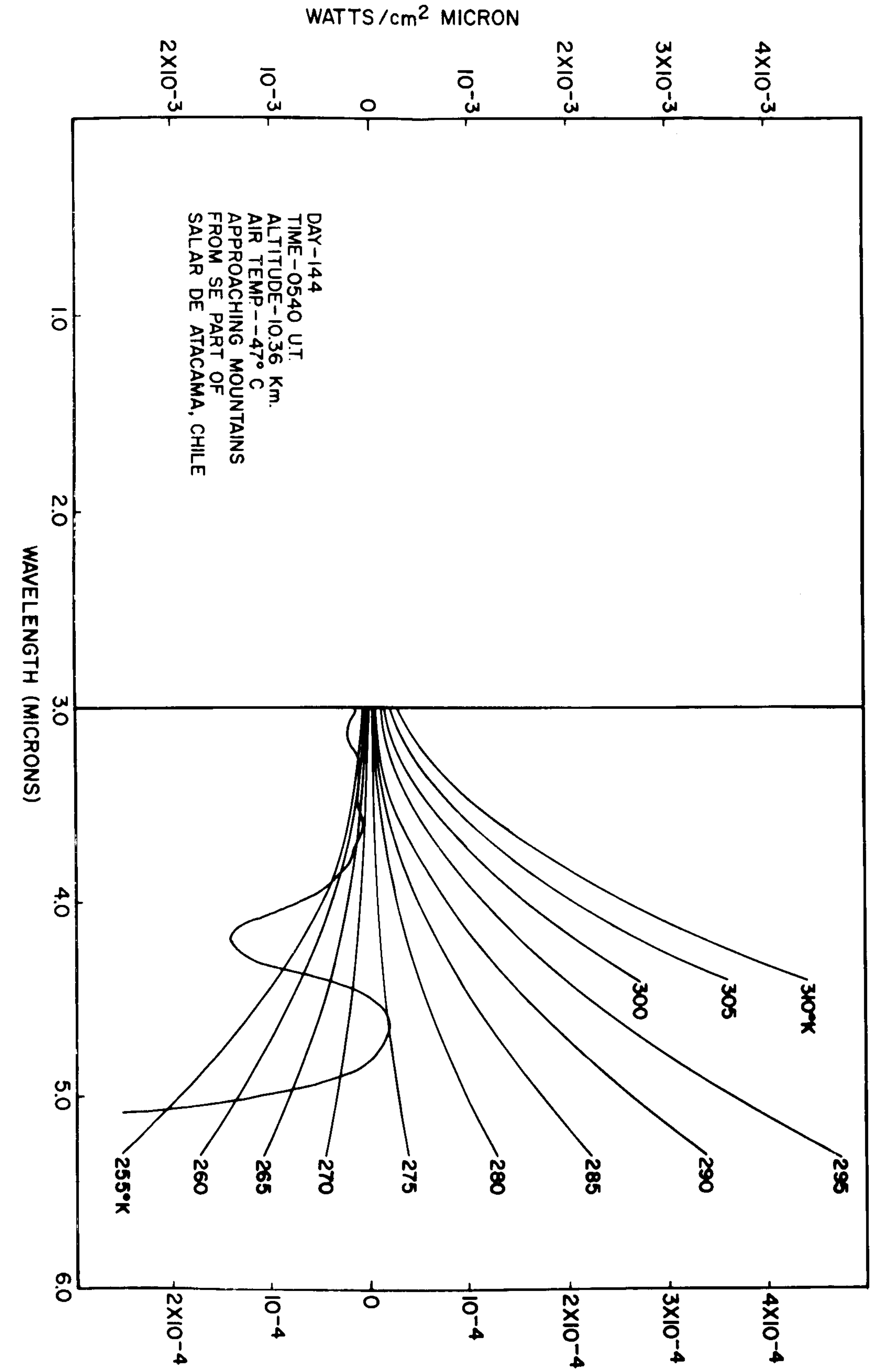
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0538 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM SE EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

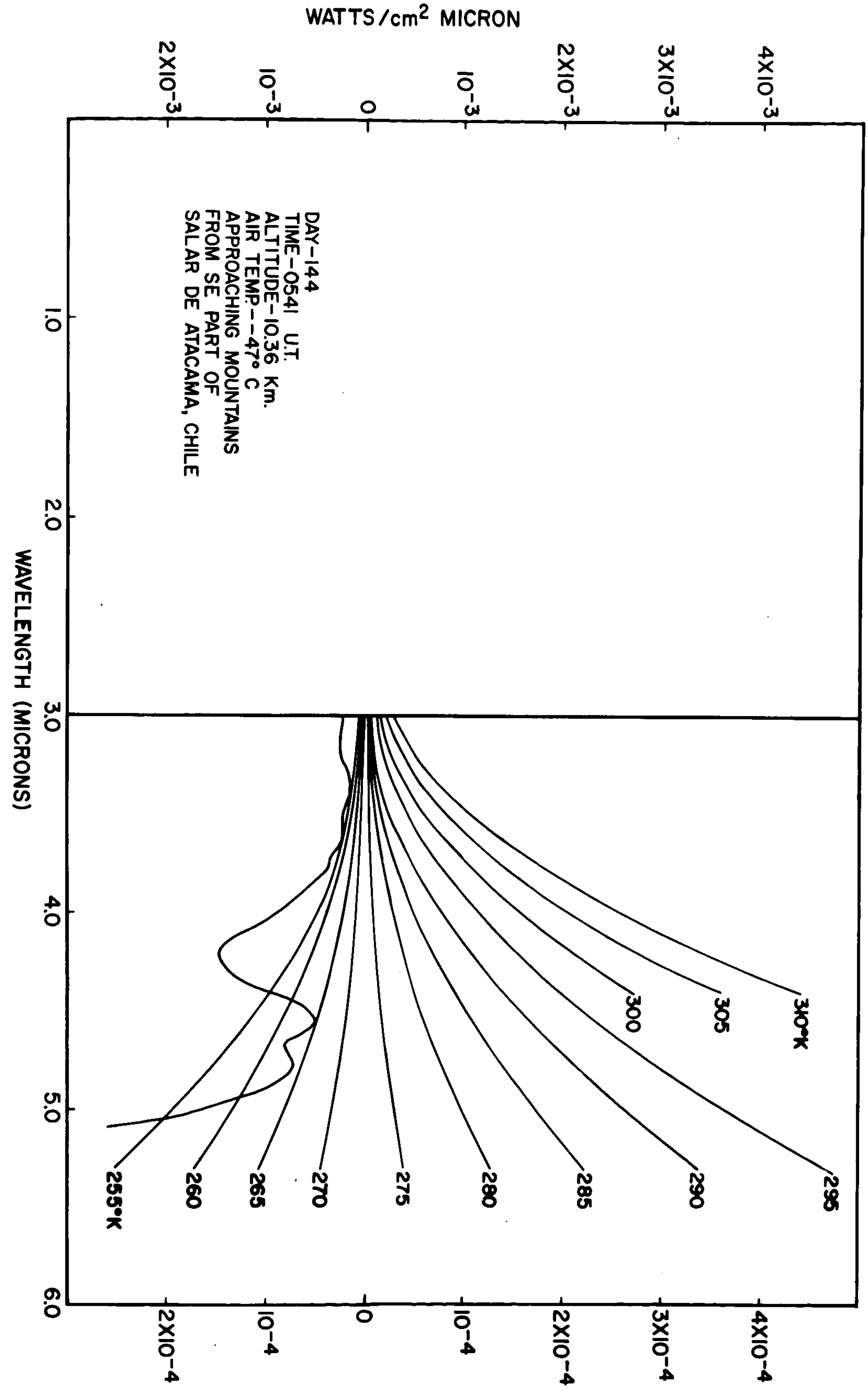

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0538 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM SE EDGE OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

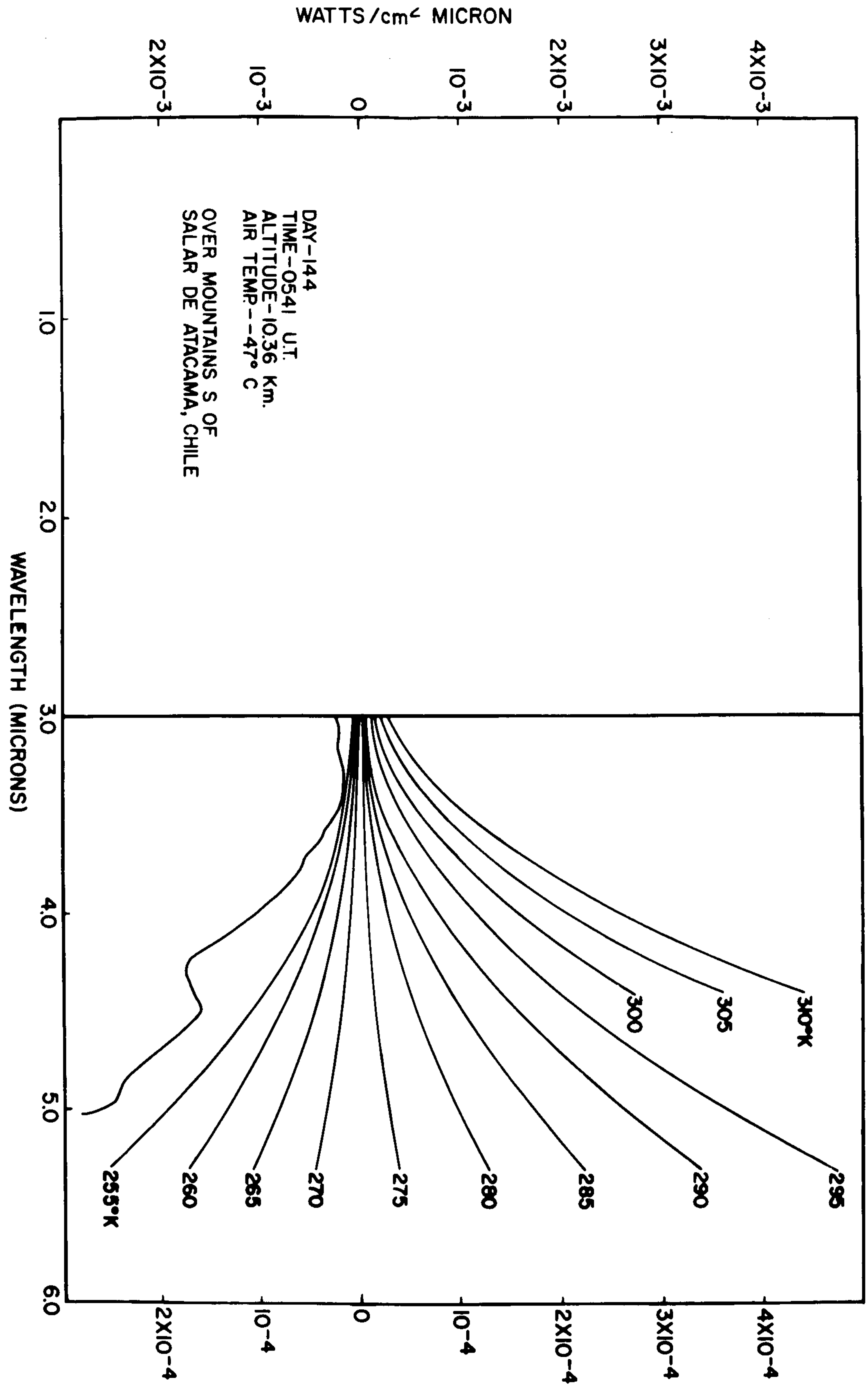

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0539 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM SE PART OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

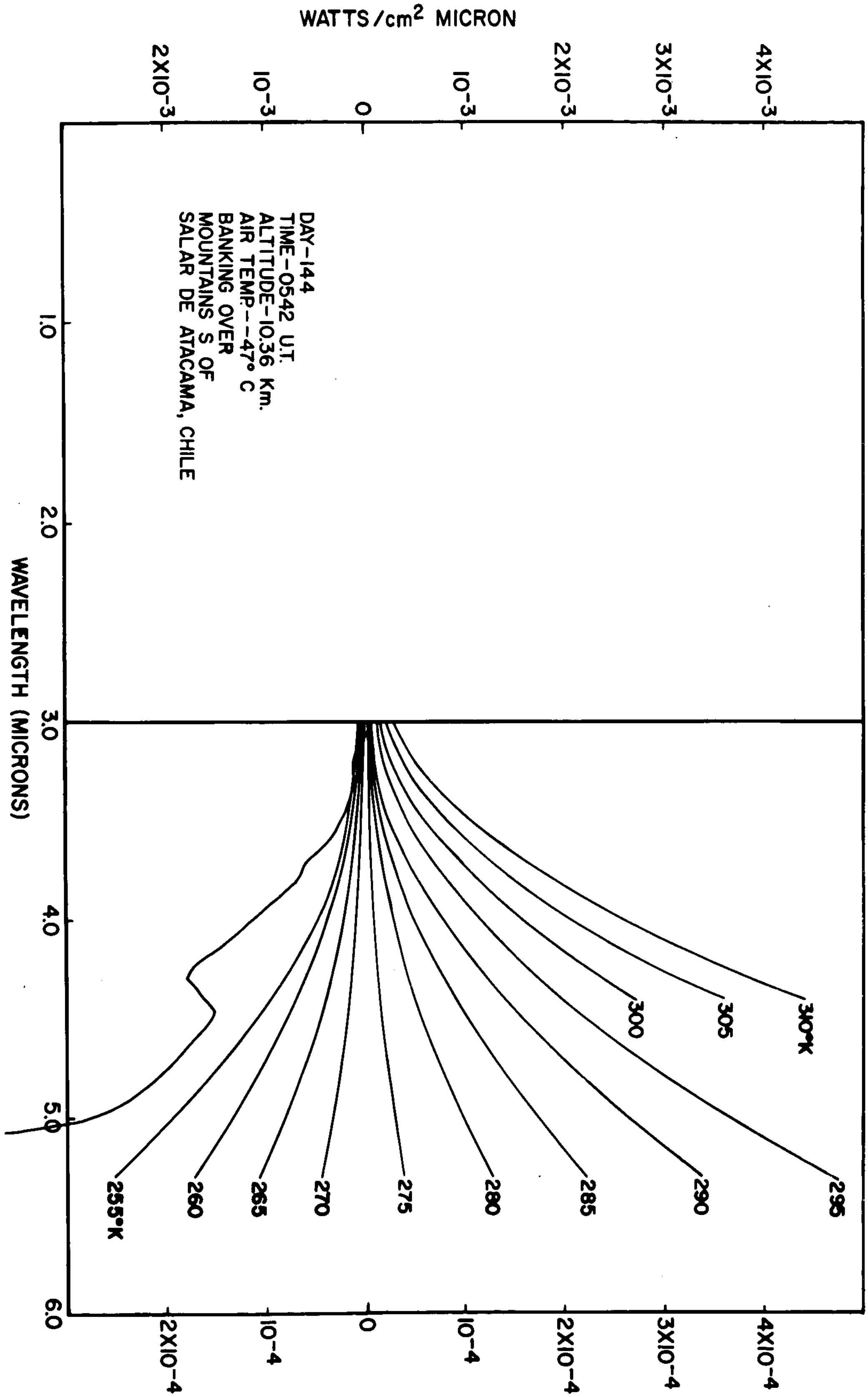

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0539 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
APPROACHING MOUNTAINS
FROM SE PART OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0540 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM SE PART OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

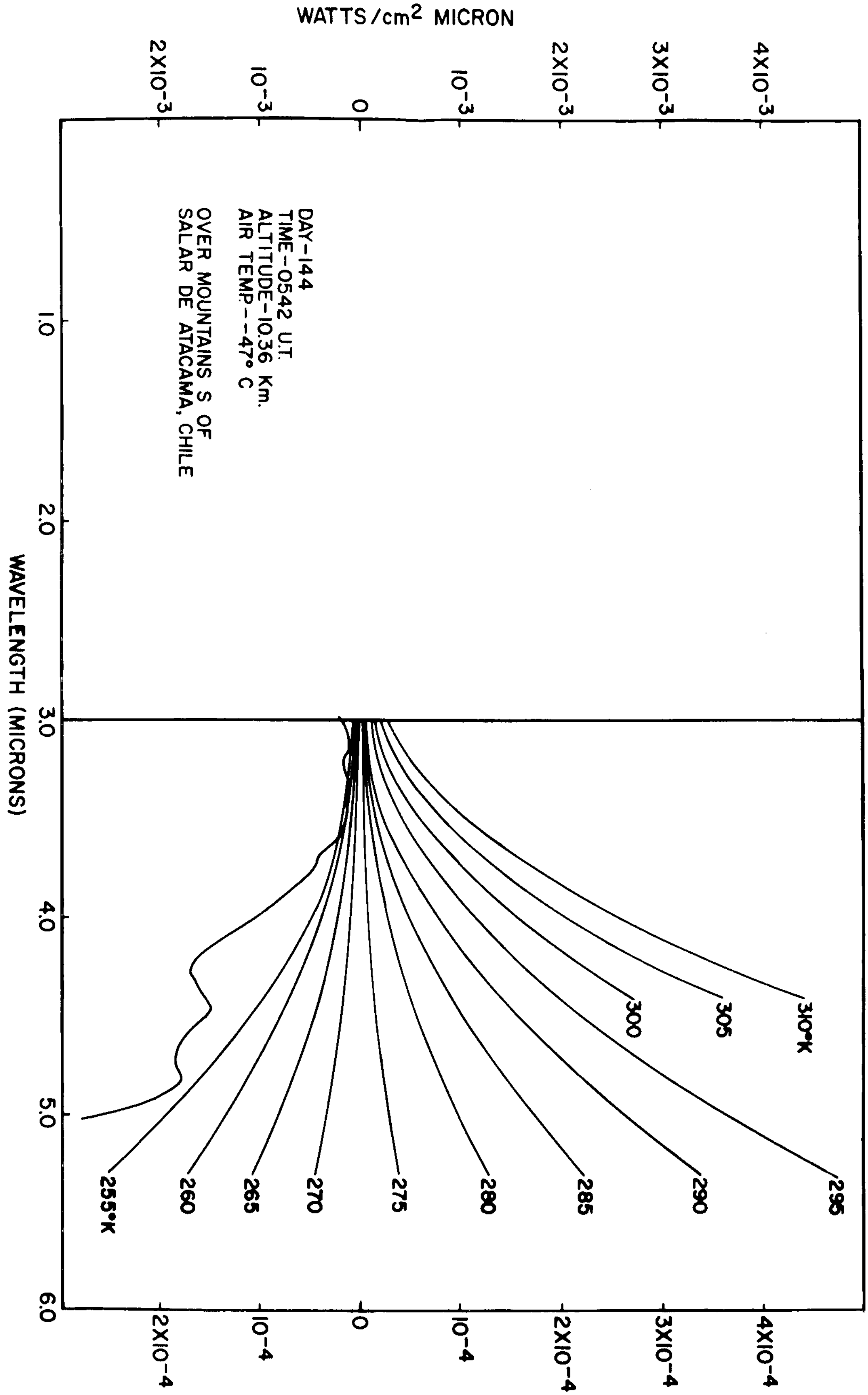

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0540 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
APPROACHING MOUNTAINS
FROM SE PART OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

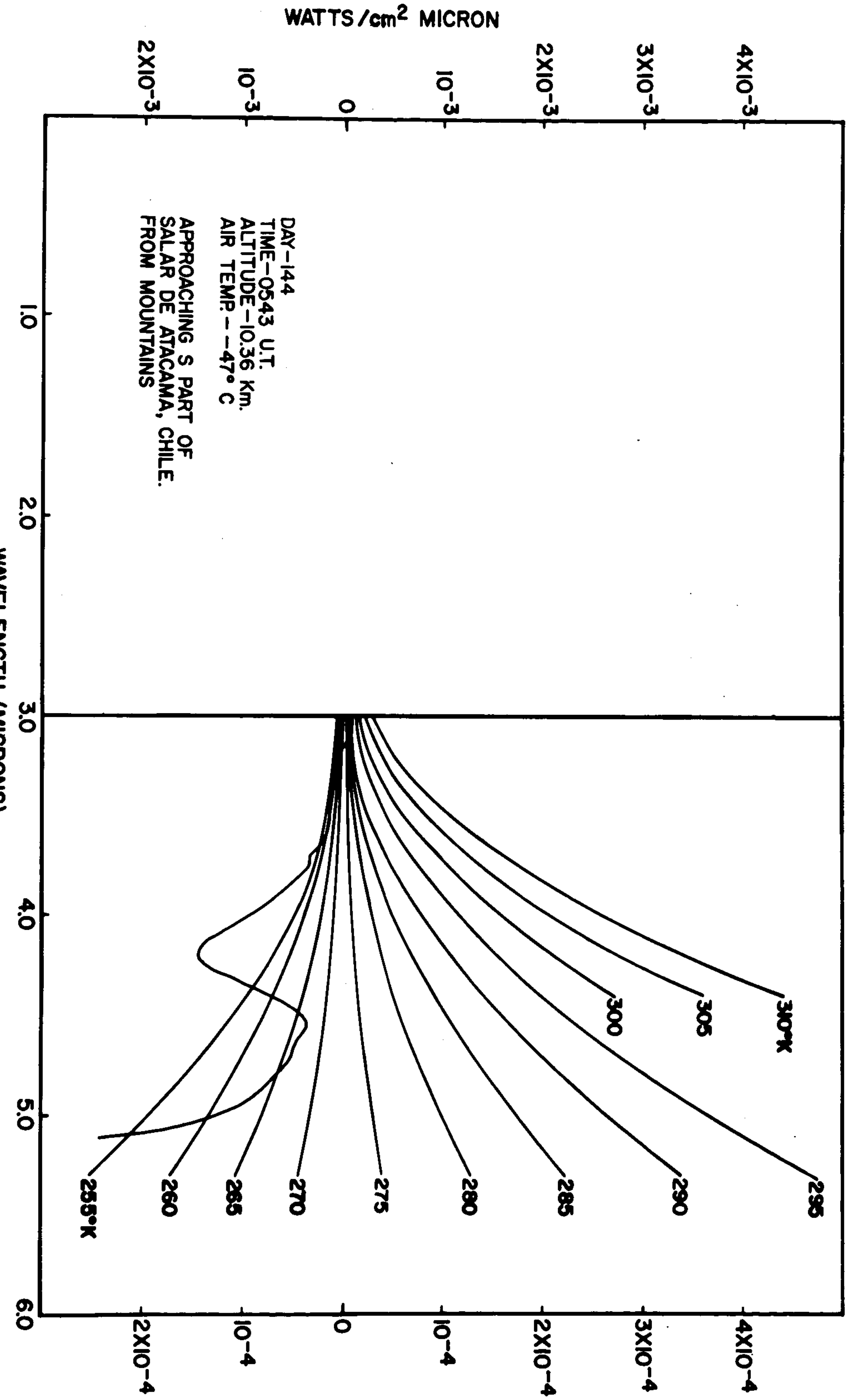

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0541 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING MOUNTAINS
FROM SE. PART OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

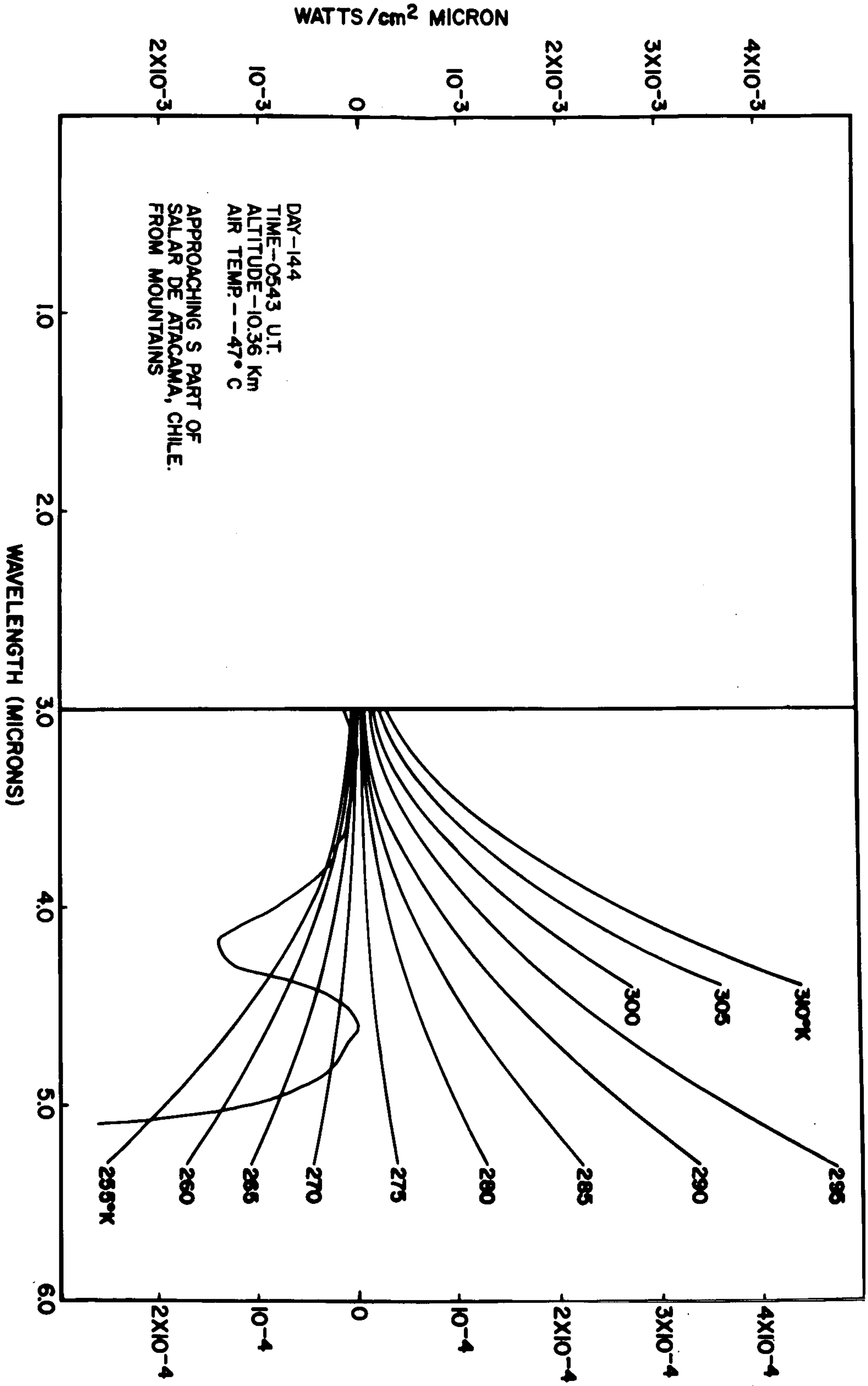

WATTS/cm² MICRON
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
3X10⁻³
4X10⁻³
DAY-144
TIME-0541 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
OVER MOUNTAINS S OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
3X10⁻⁴
4X10⁻⁴

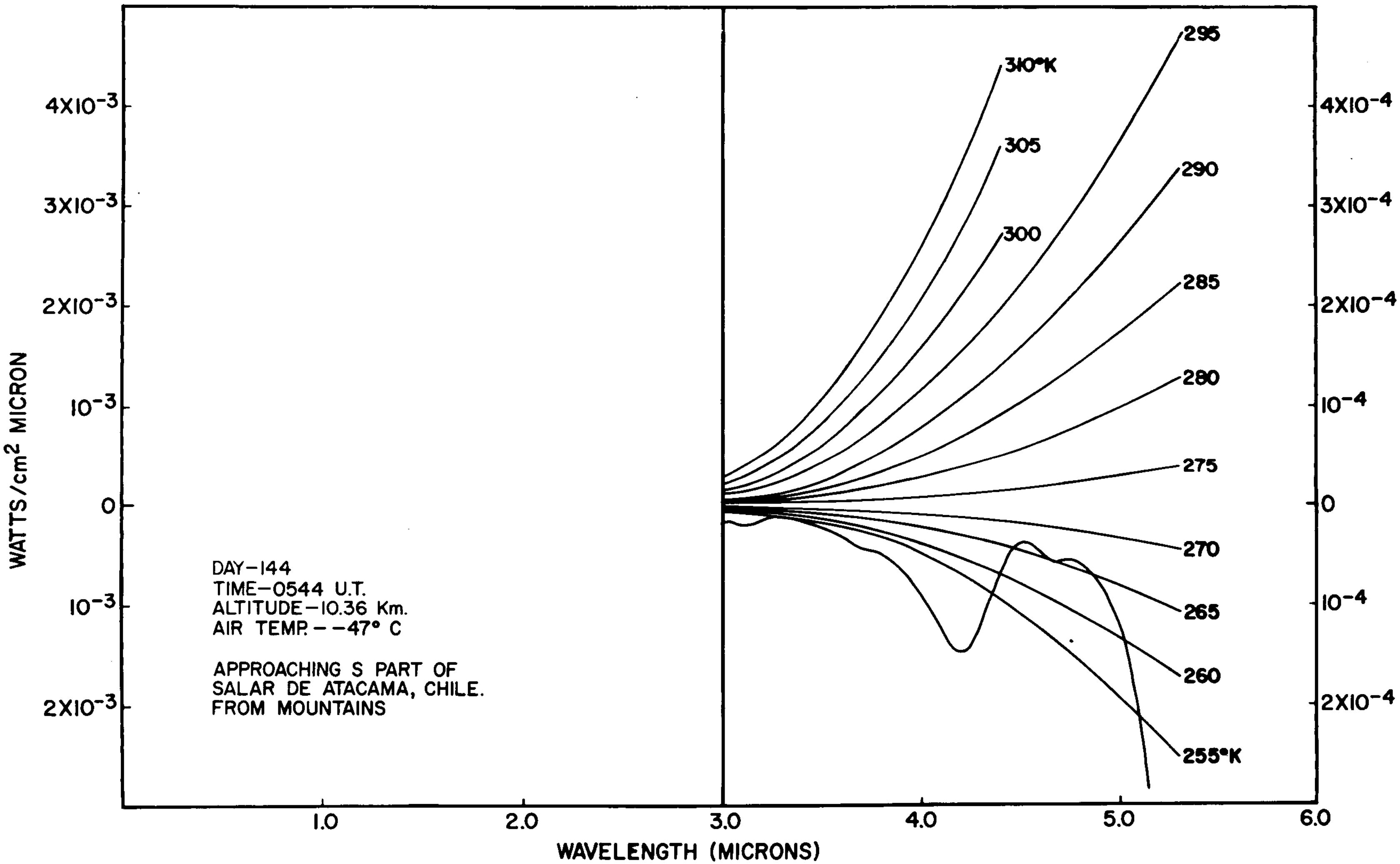


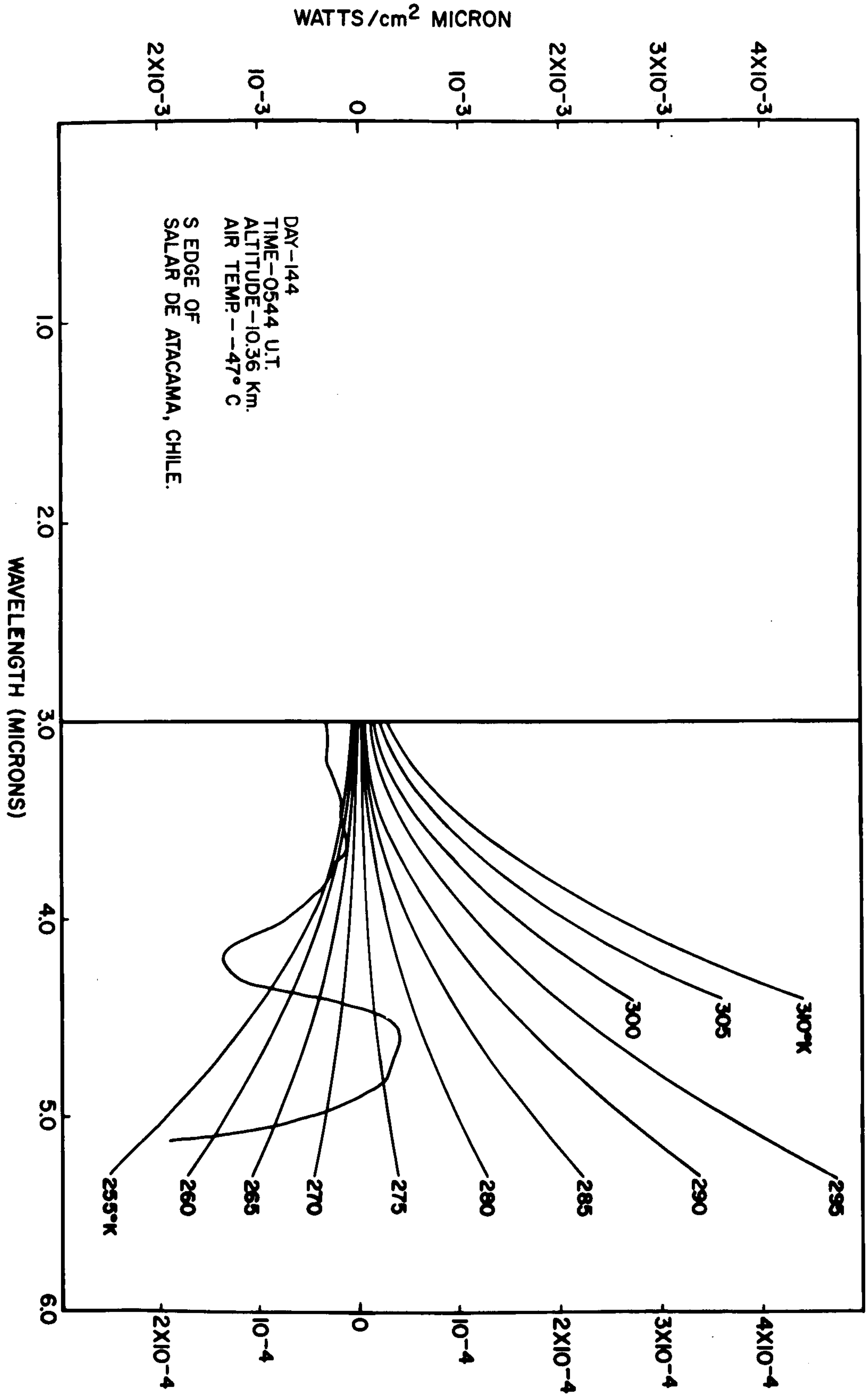
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0542 U.T.
ALTITUDE-10.36 Km.
AIR TEMP--47° C
BANKING OVER
MOUNTAINS S OF
SALAR DE ATACAMA, CHILE
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

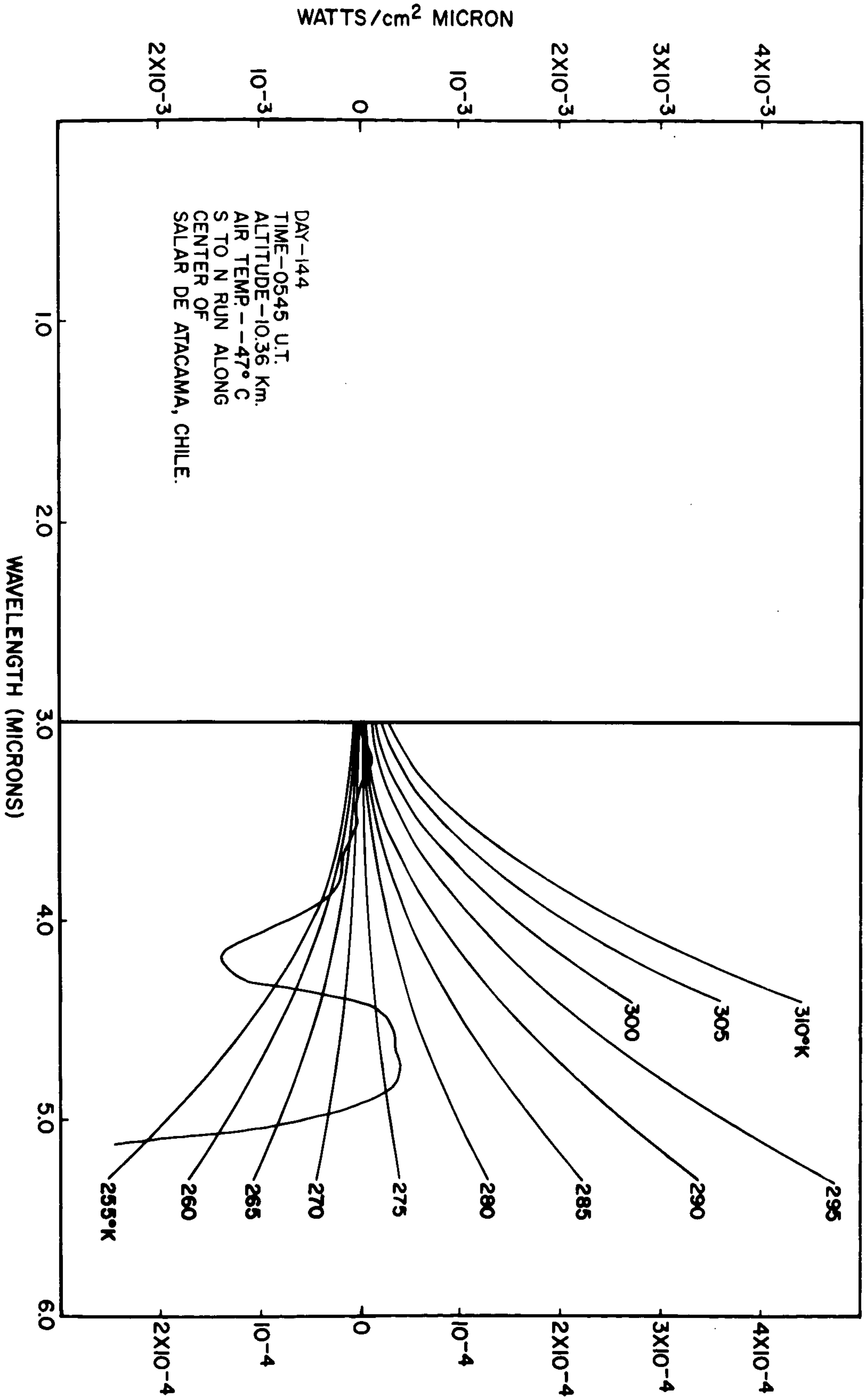

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0542 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.-47° C
OVER MOUNTAINS S OF
SALAR DE ATACAMA, CHILE
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

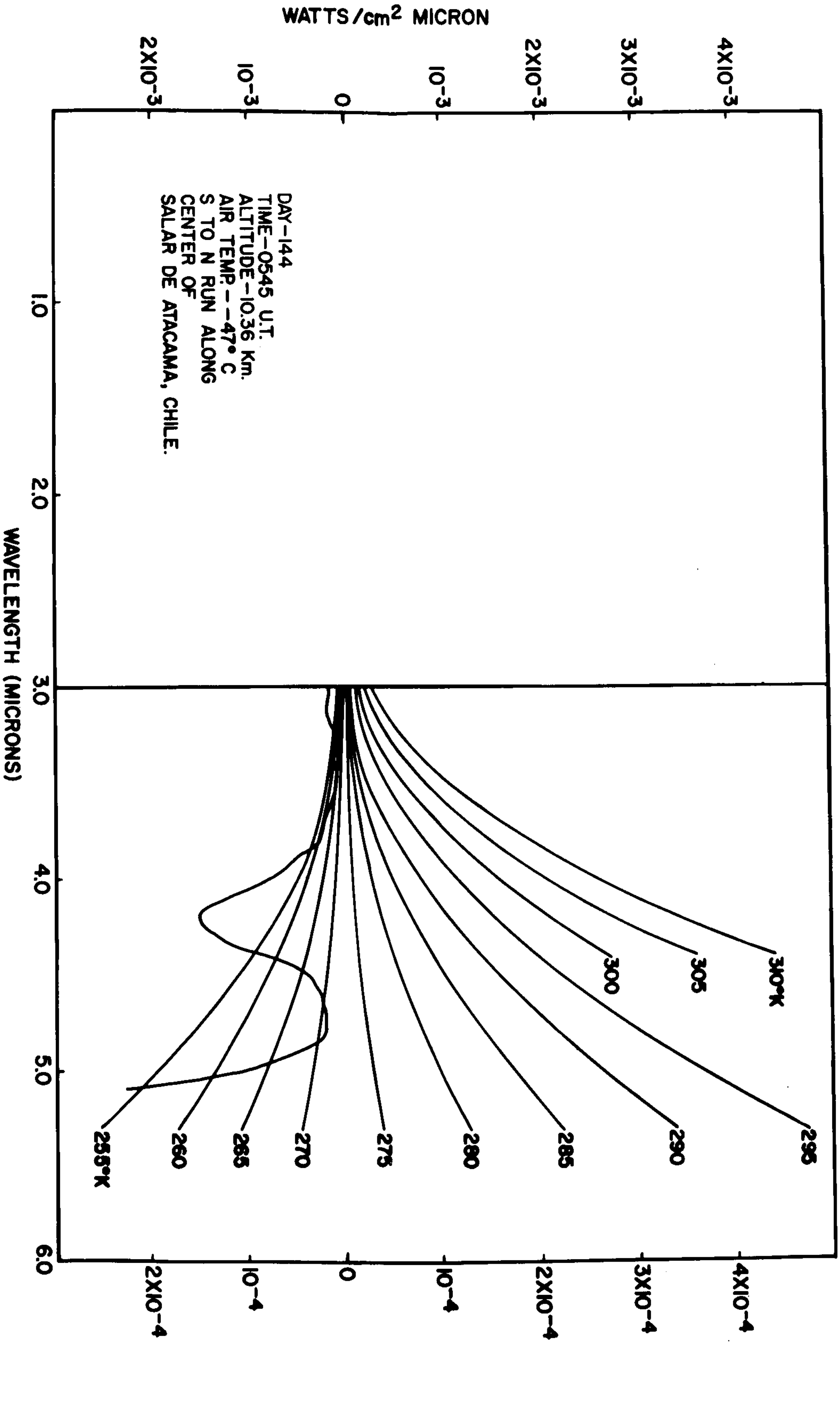

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0543 U.T.
ALTITUDE-10.36 Km.
AIR TEMP. - -47° C
APPROACHING S PART OF
SALAR DE ATACAMA, CHILE.
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

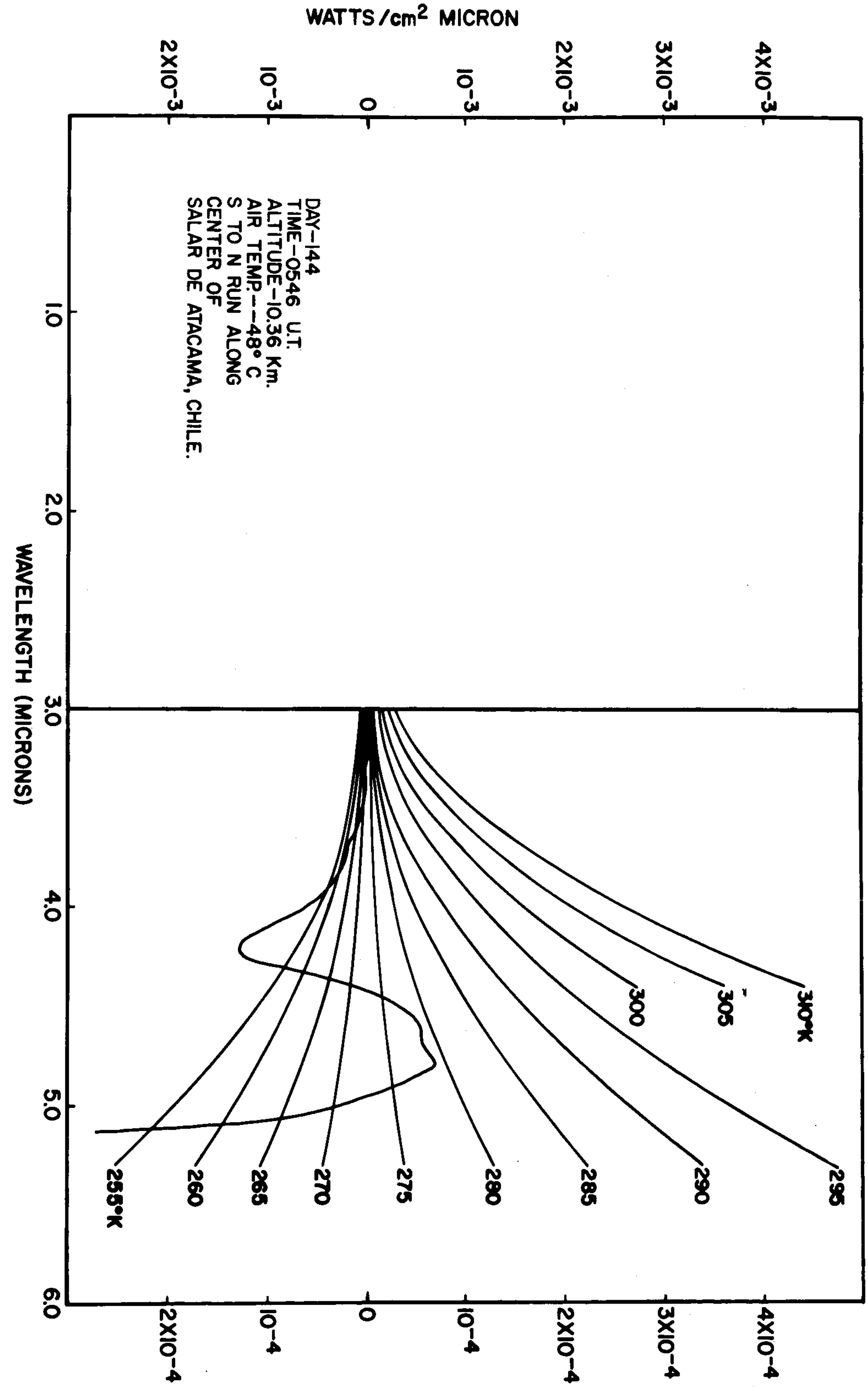

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0543 U.T.
ALTITUDE-10.36 Km
AIR TEMP.- -47° C
APPROACHING S PART OF
SALAR DE ATACAMA, CHILE.
FROM MOUNTAINS
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K

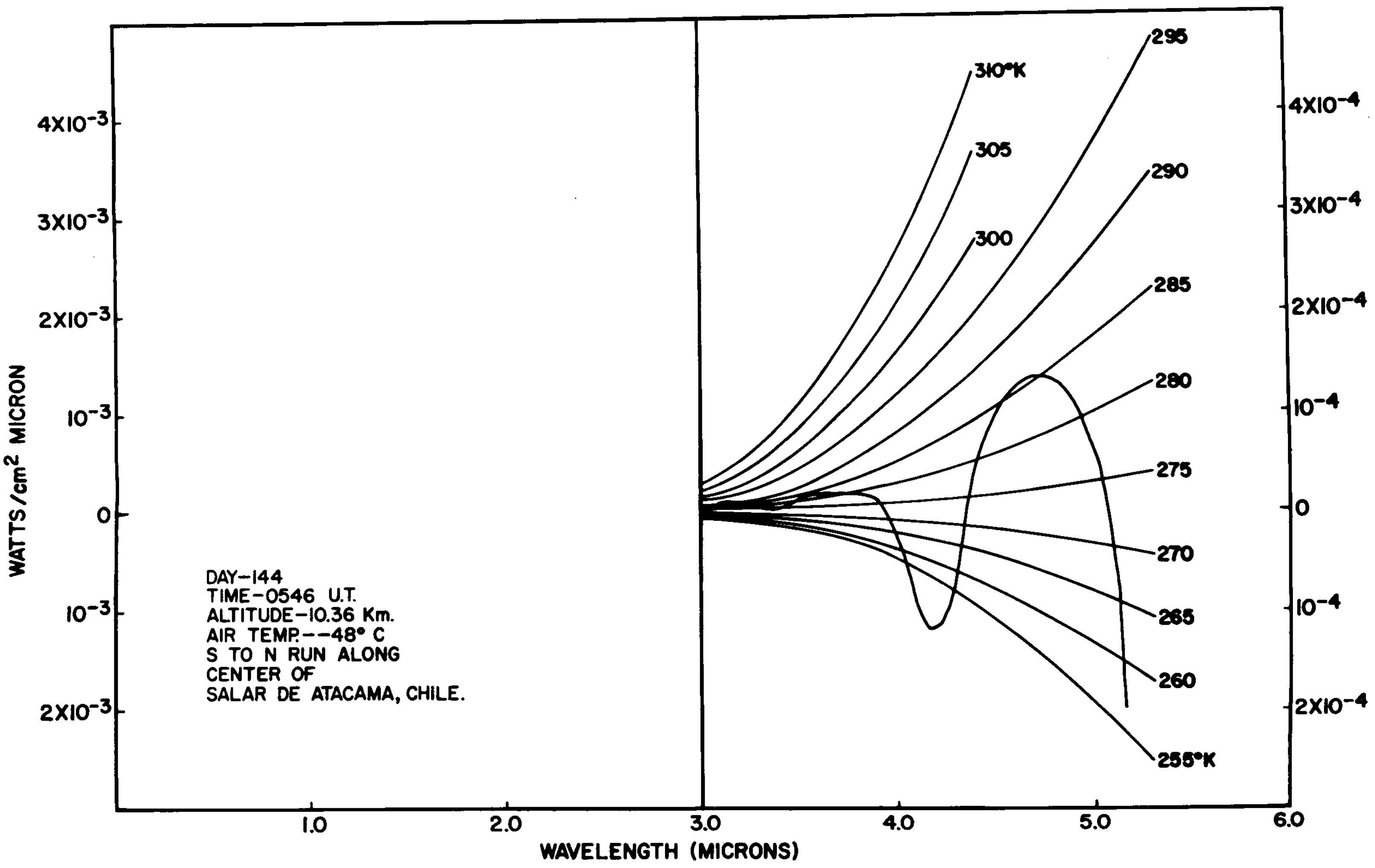

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0544 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
APPROACHING S PART OF
SALAR DE ATACAMA, CHILE.
FROM MOUNTAINS
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)


WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY-144
TIME-0544 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
S EDGE OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4

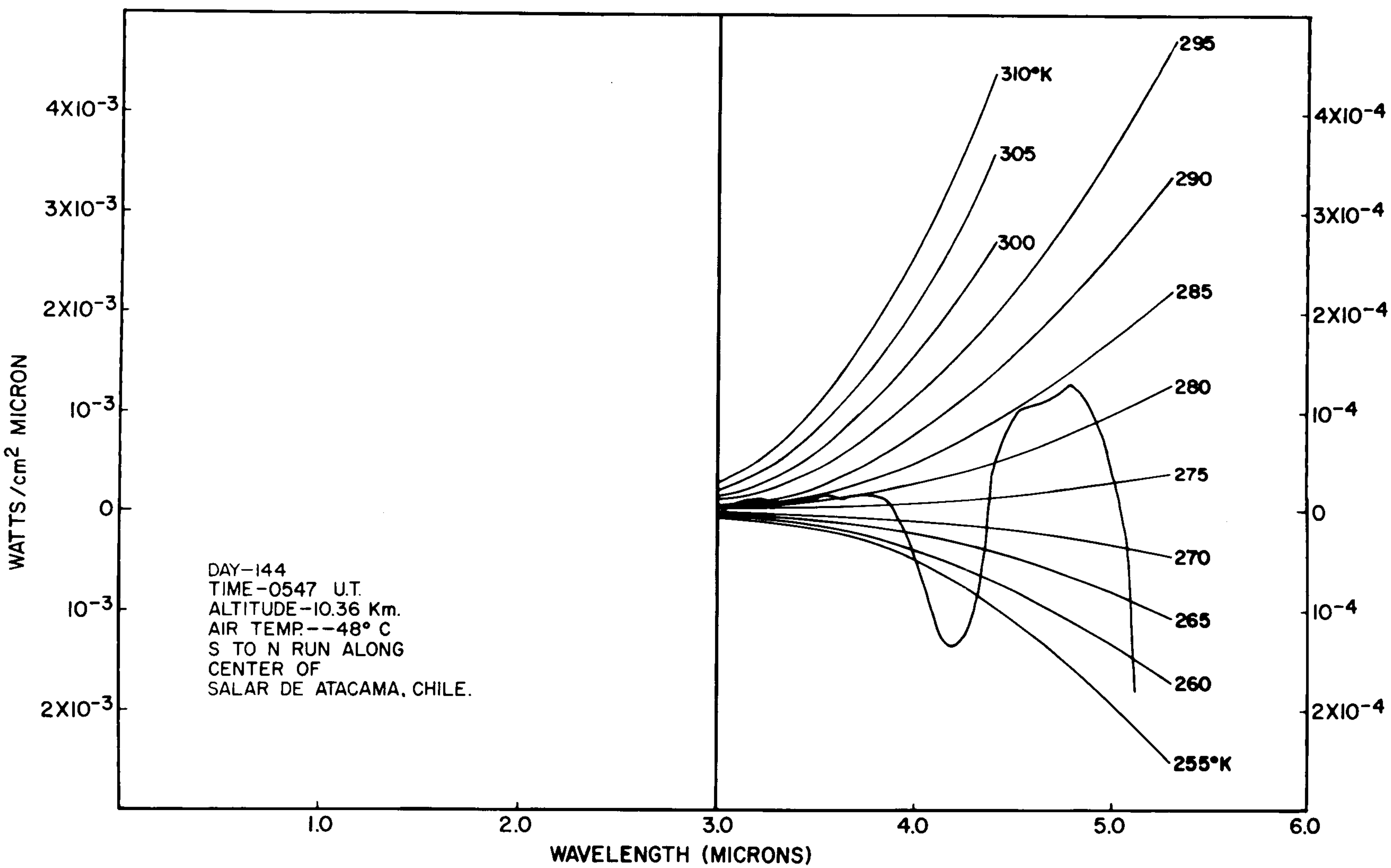

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
DAY-144
TIME-0545 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.- -47° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K

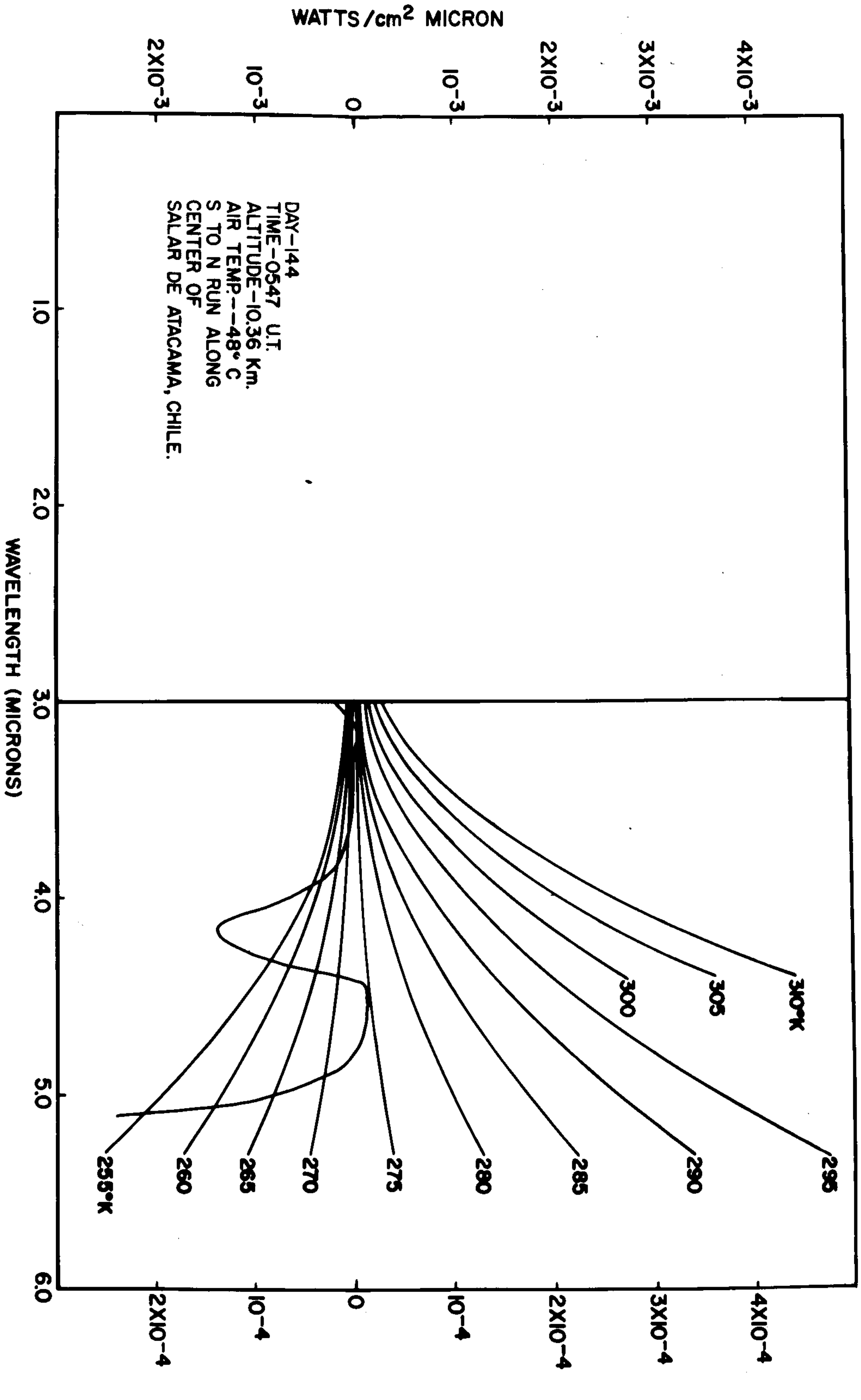

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0545 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--47° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0546 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

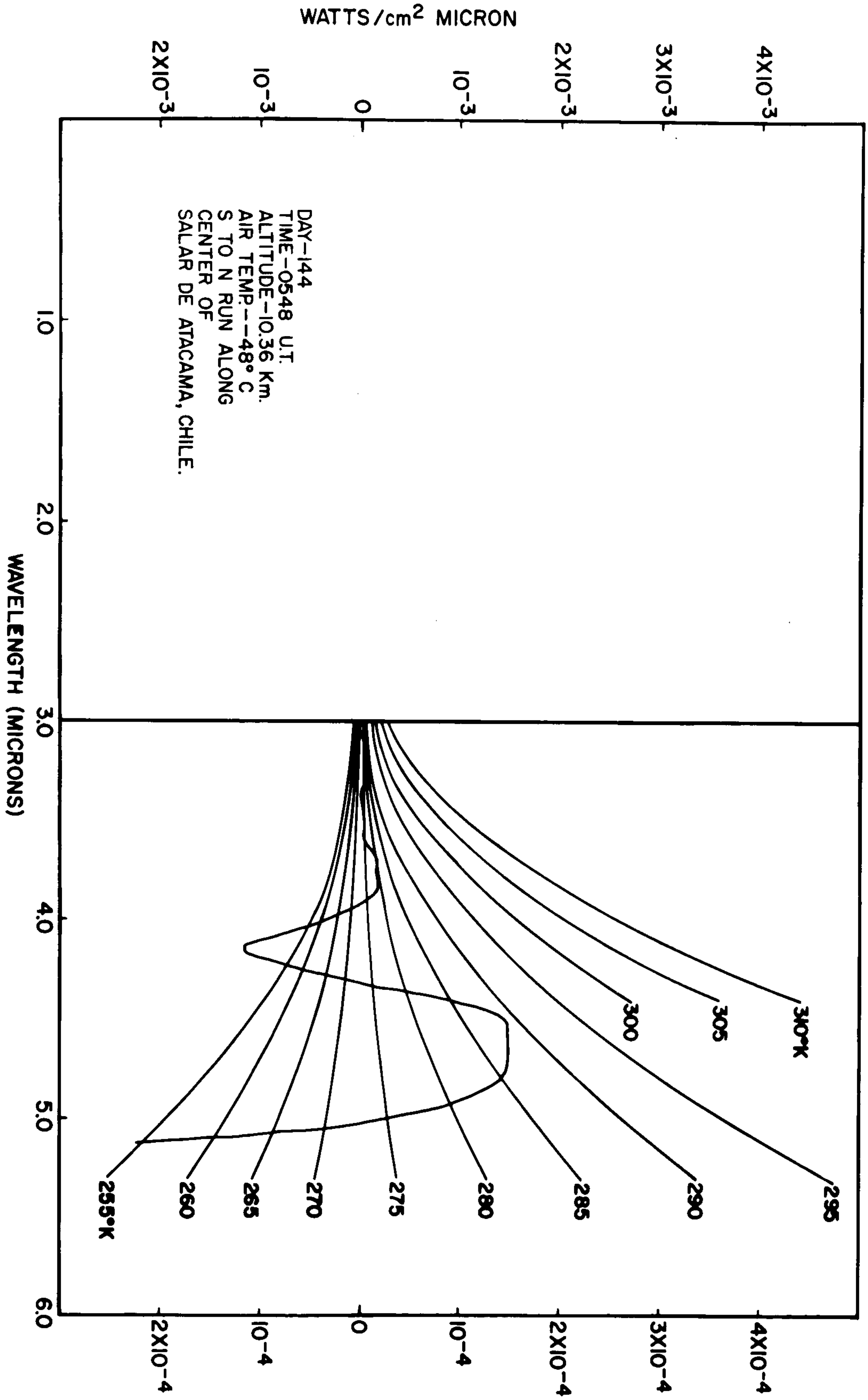


WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0546 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

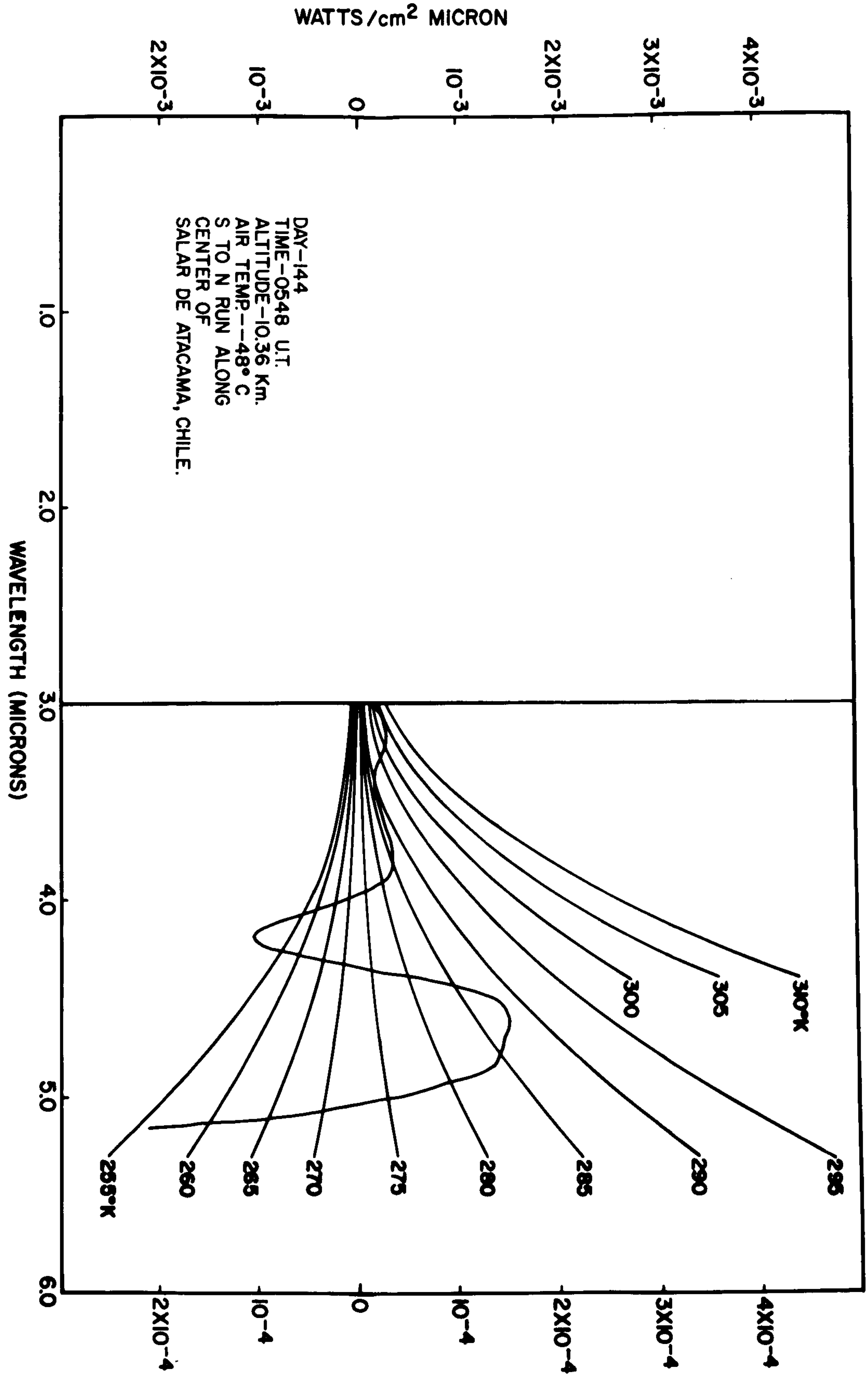

WATTS / cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0547 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

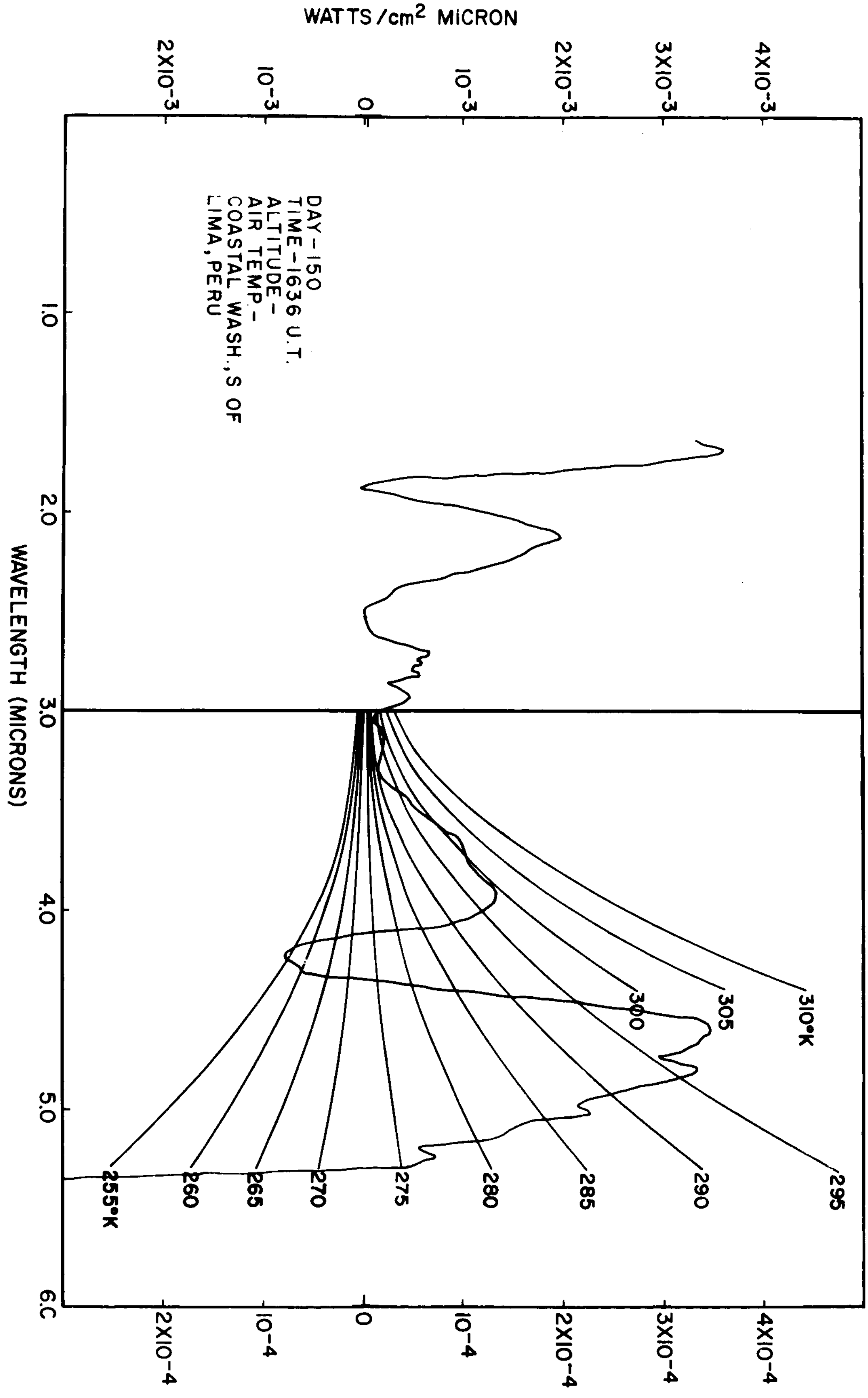


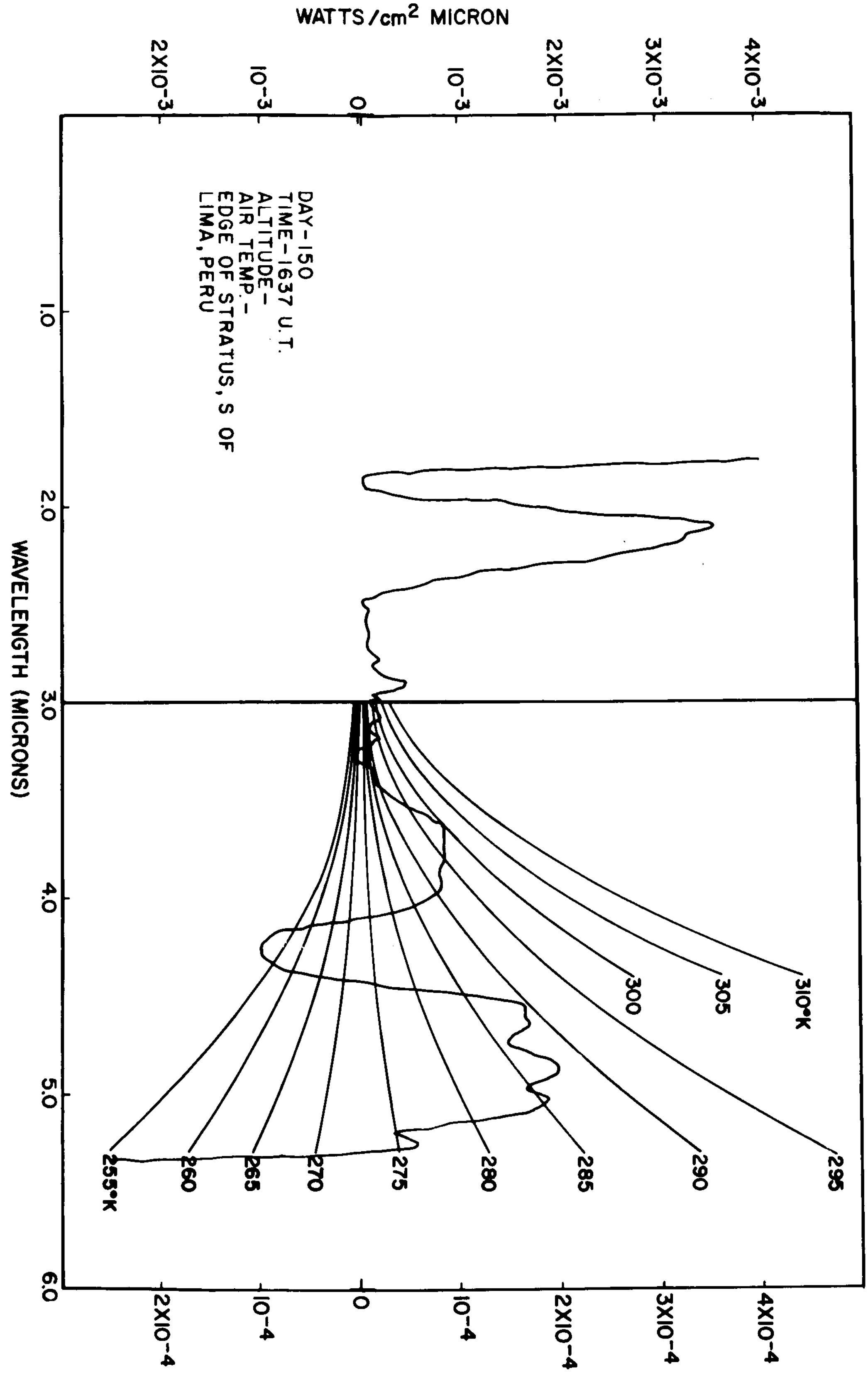
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0547 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

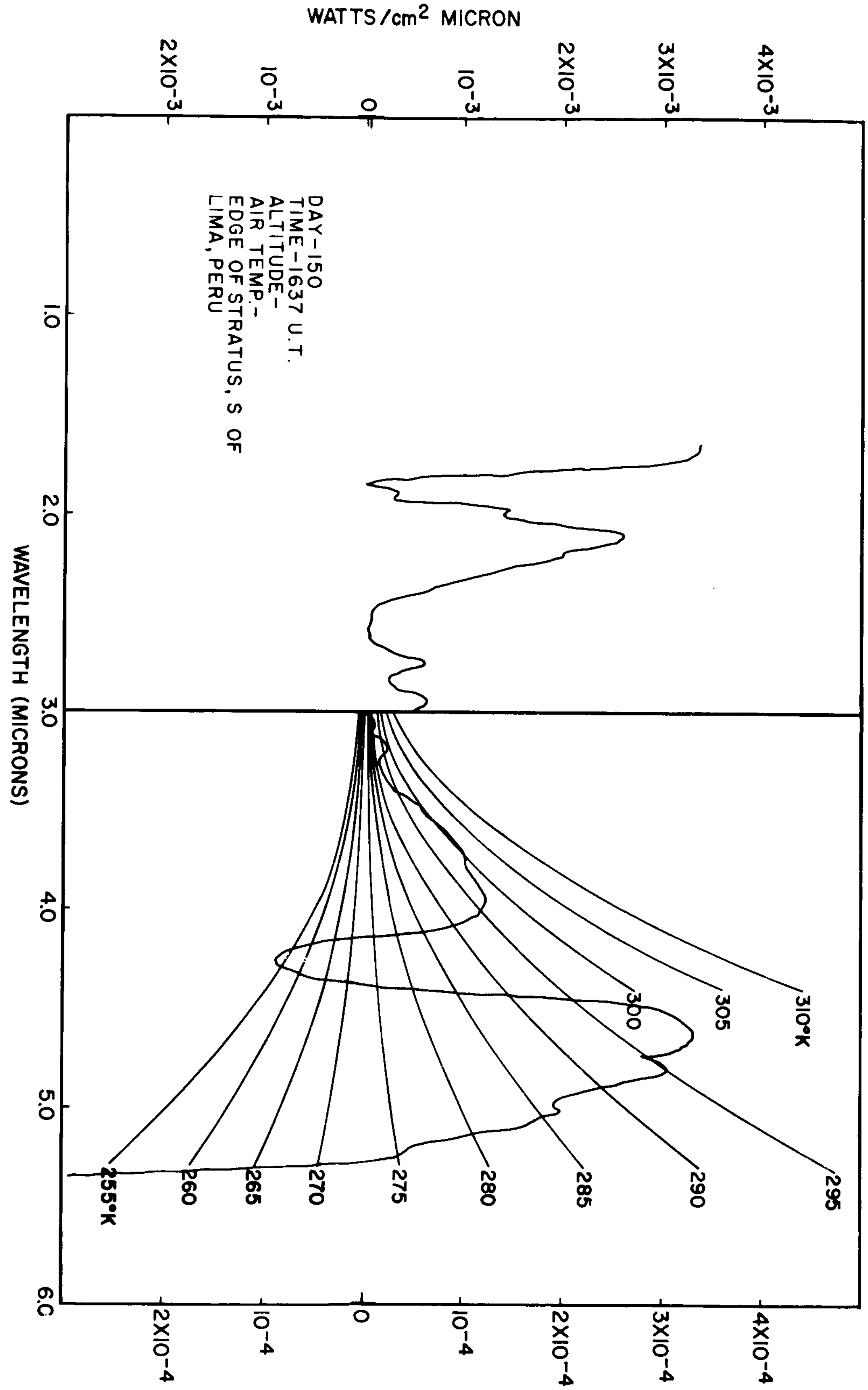


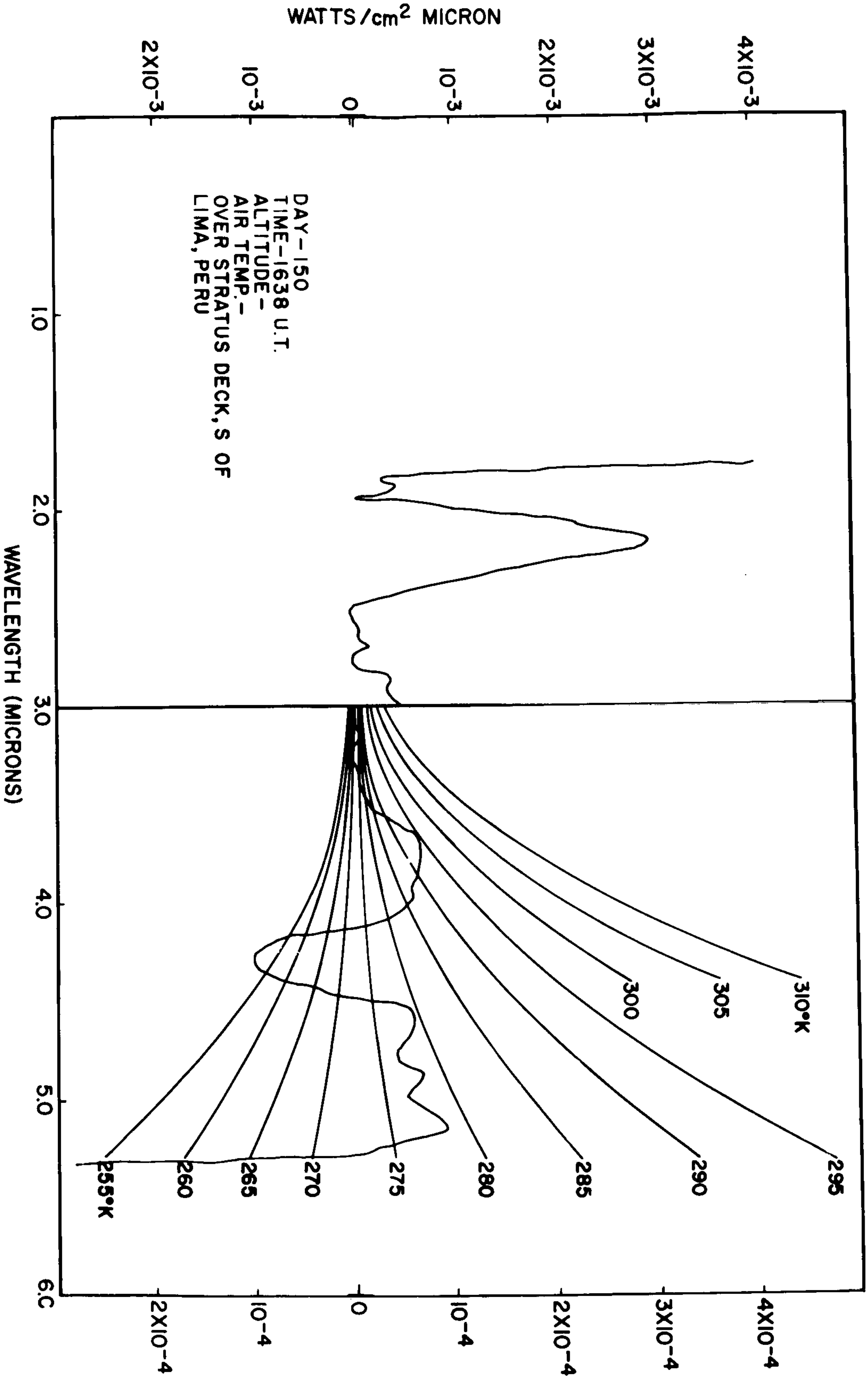
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-144
TIME-0548 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

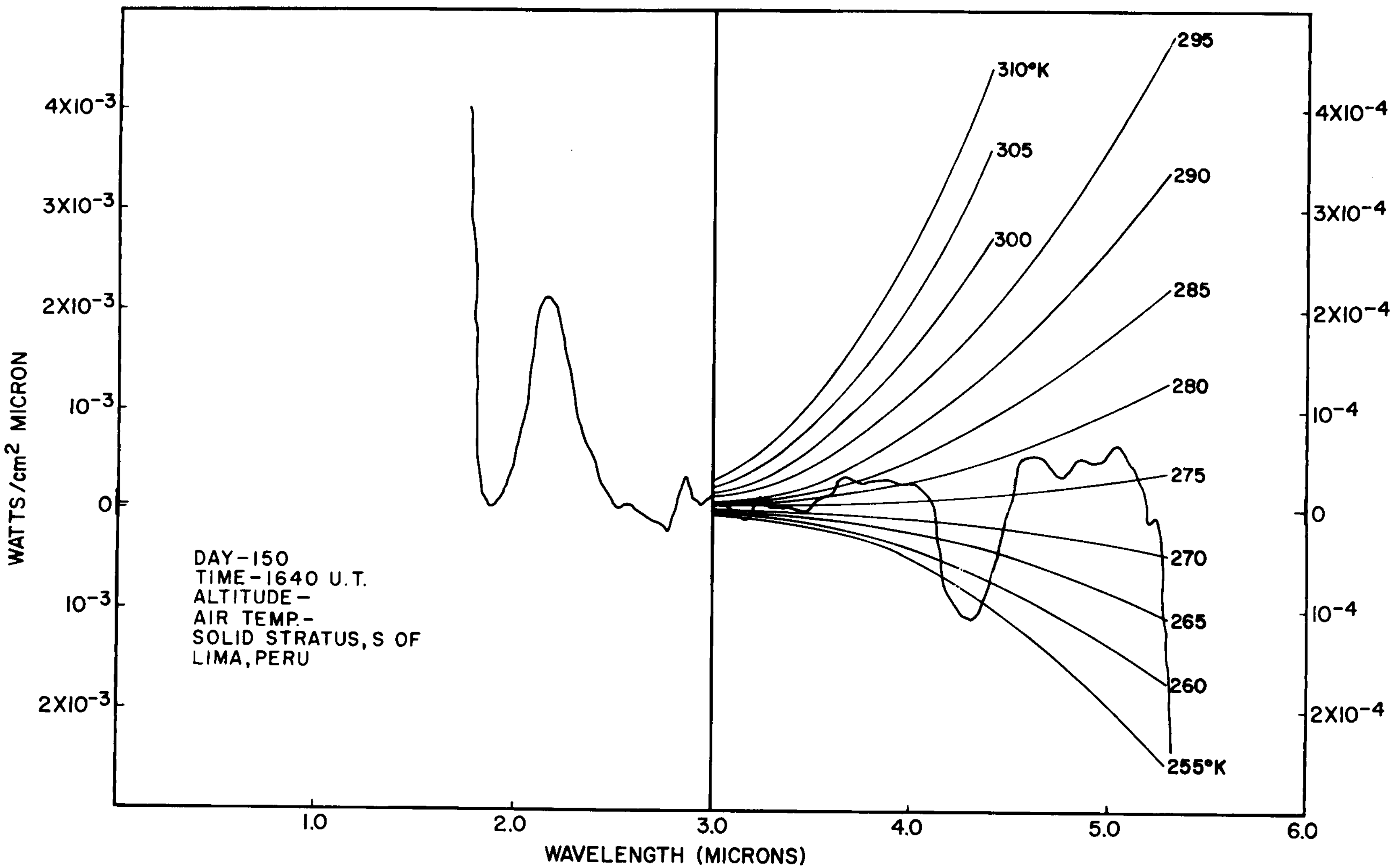

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-144
TIME-0548 U.T.
ALTITUDE-10.36 Km.
AIR TEMP.--48° C
S TO N RUN ALONG
CENTER OF
SALAR DE ATACAMA, CHILE.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1636 U.T.
ALTITUDE-
AIR TEMP.-
COASTAL WASH., S OF
LIMA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

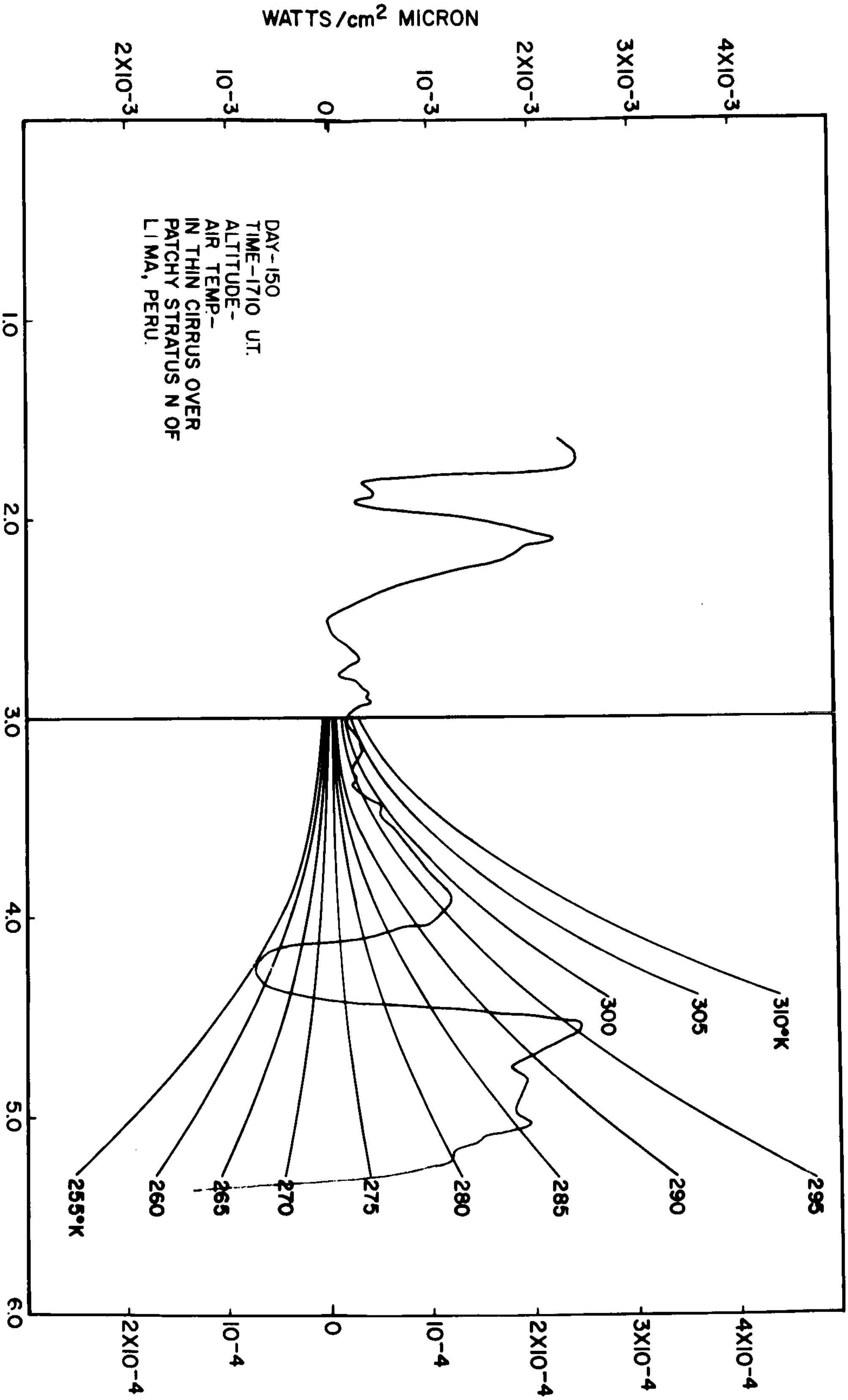

WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1637 U.T.
ALTITUDE-
AIR TEMP.-
EDGE OF STRATUS, S OF
LIMA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1637 U.T.
ALTITUDE-
AIR TEMP.-
EDGE OF STRATUS, S OF
LIMA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

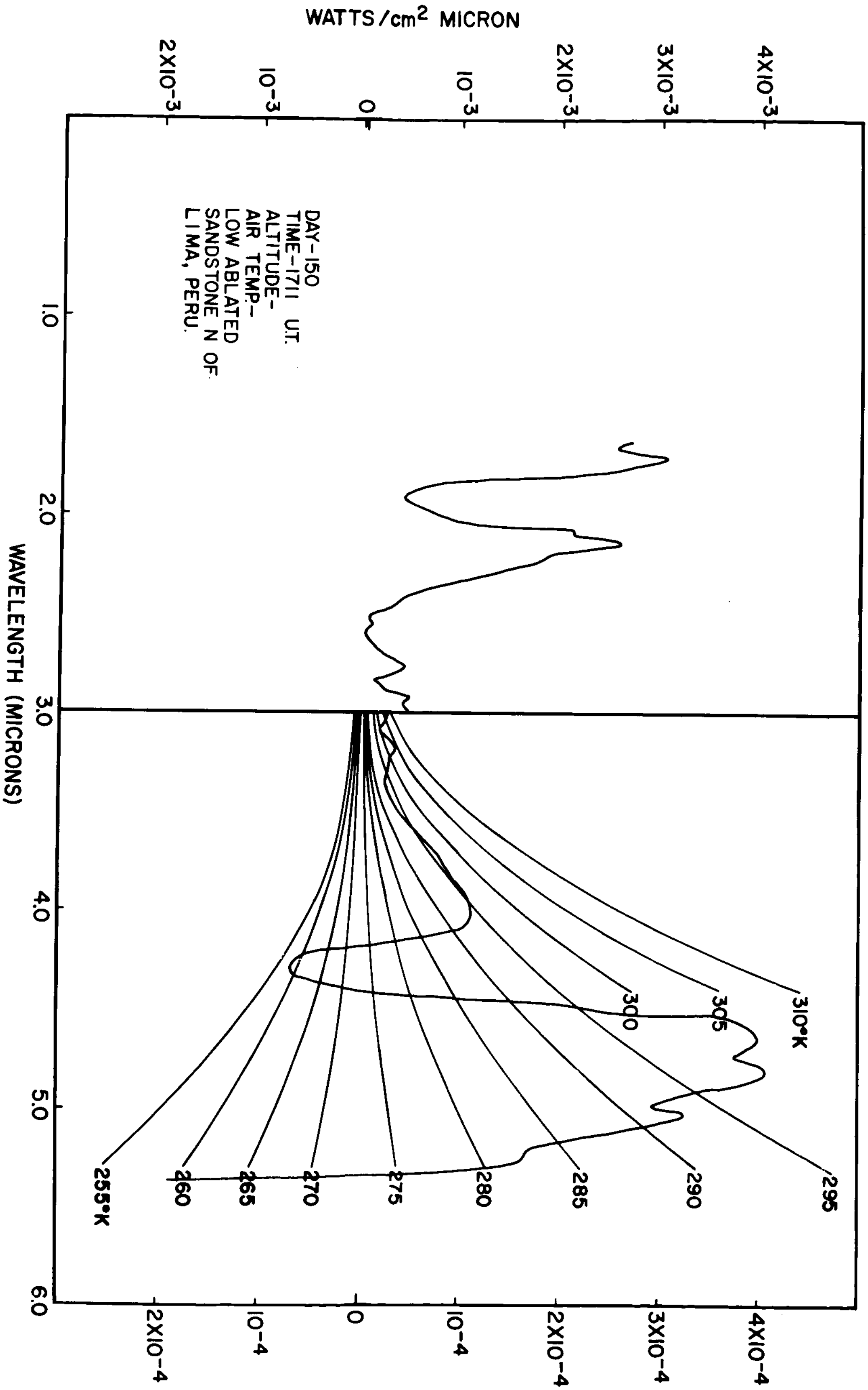

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1638 U.T.
ALTITUDE-
AIR TEMP.-
OVER STRATUS DECK, S OF
LIMA, PERU
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4



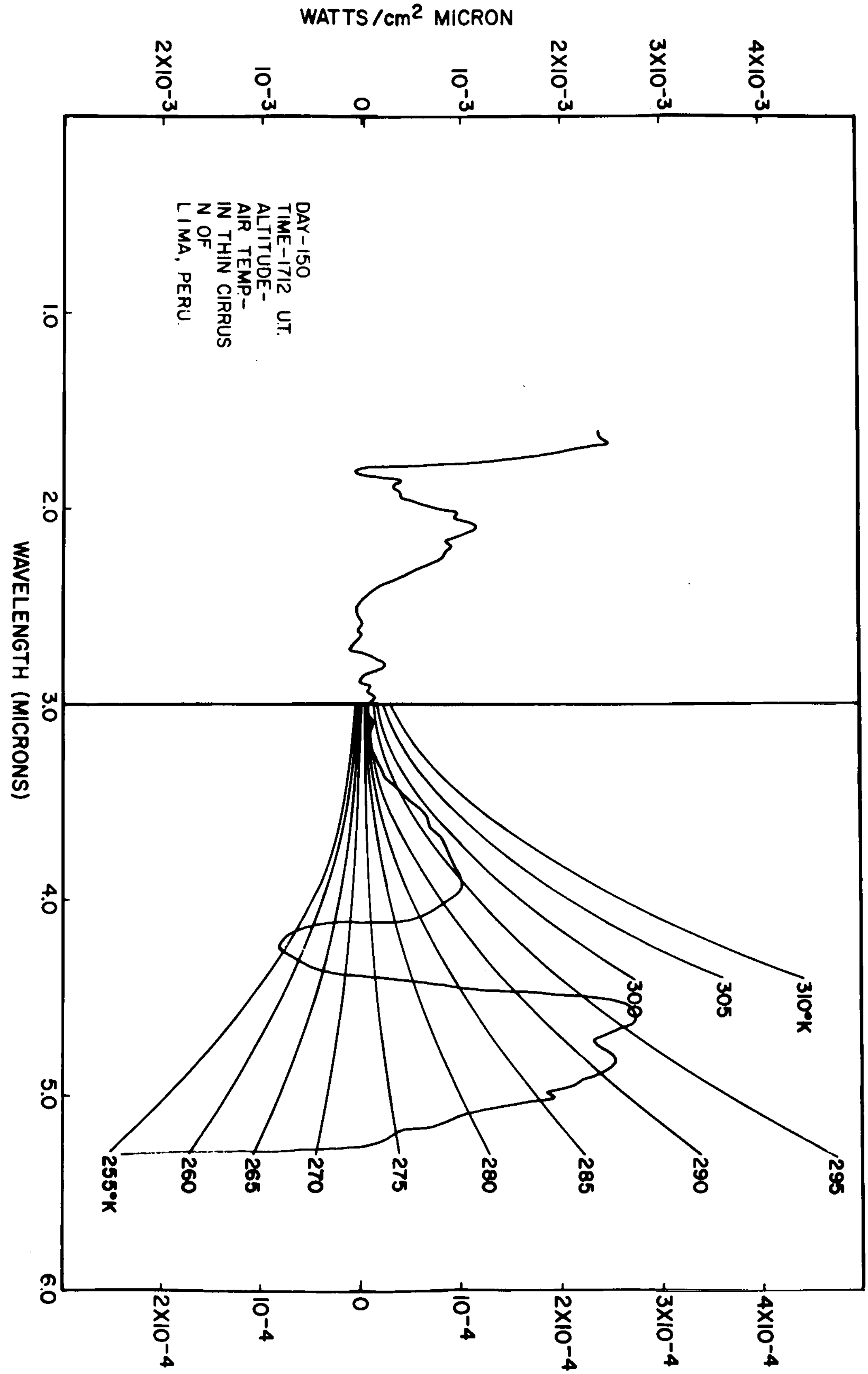
WATTS /cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-150
TIME-1640 U.T.
ALTITUDE-
AIR TEMP.-
SOLID STRATUS, S OF
LIMA, PERU
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)

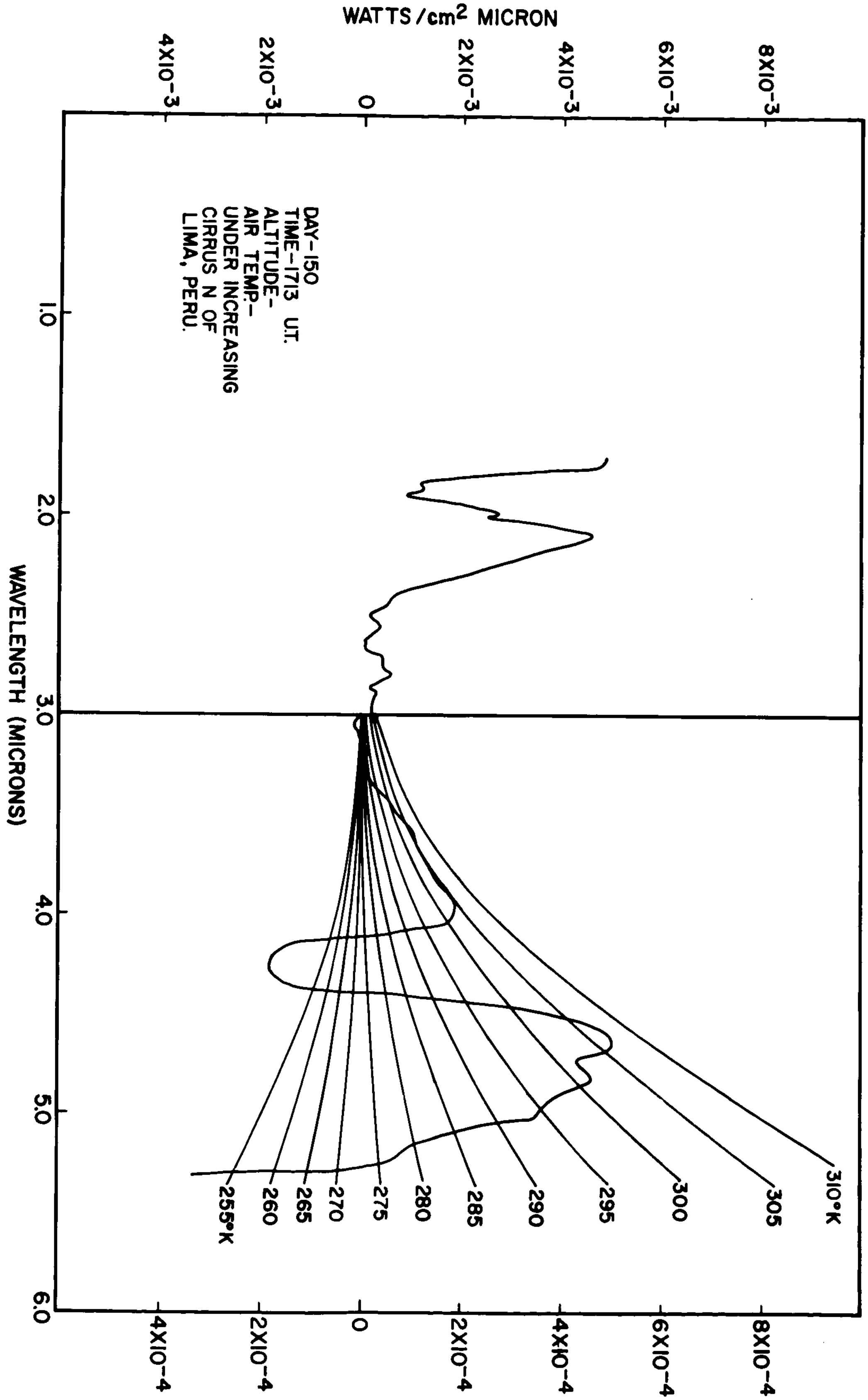


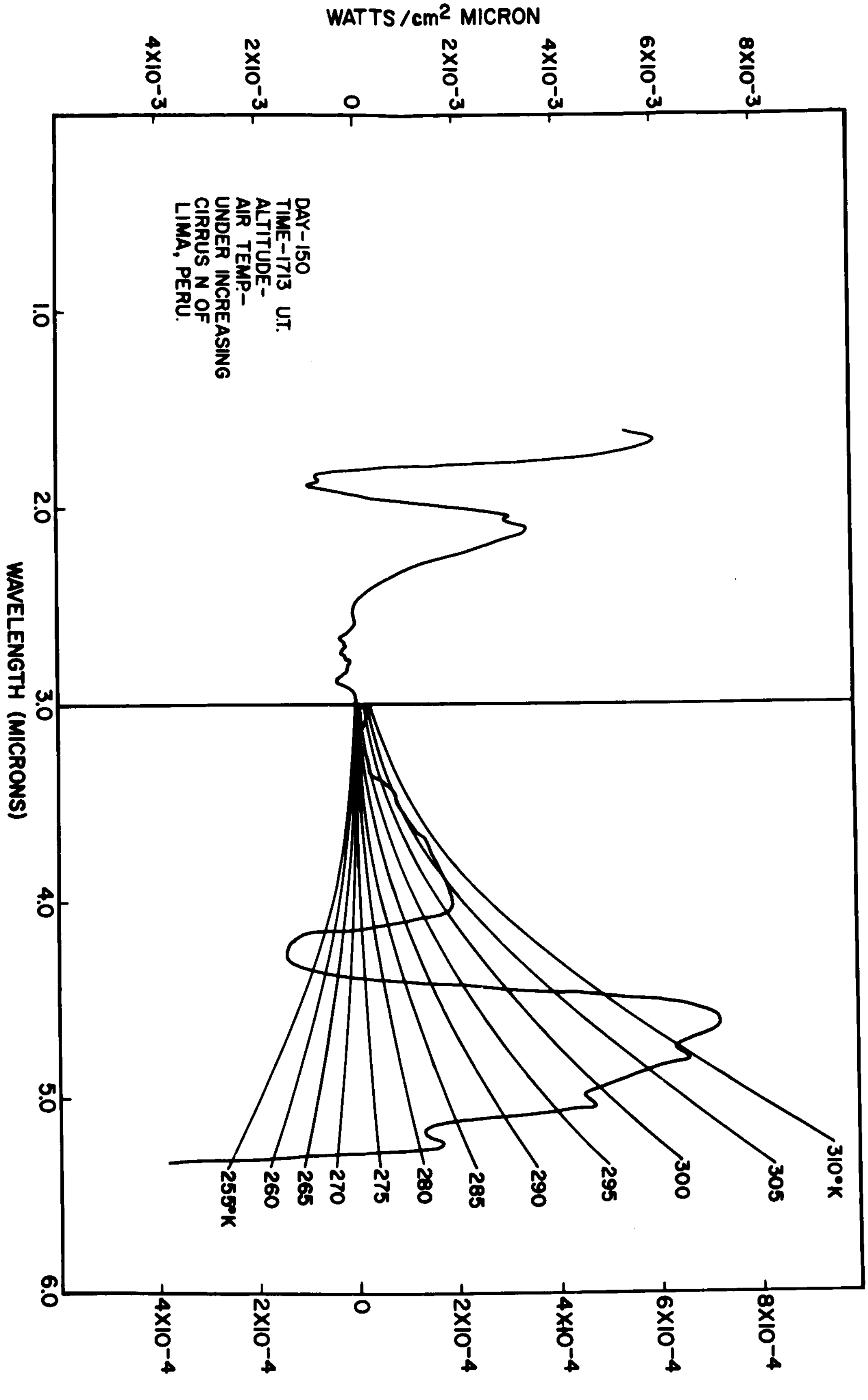
WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1710 U.T.
ALTITUDE-
AIR TEMP-
IN THIN CIRRUS OVER
PATCHY STRATUS N OF
LIMA, PERU.
310°K
305
300
295
290
285
280
275
270
265
260
255°K
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

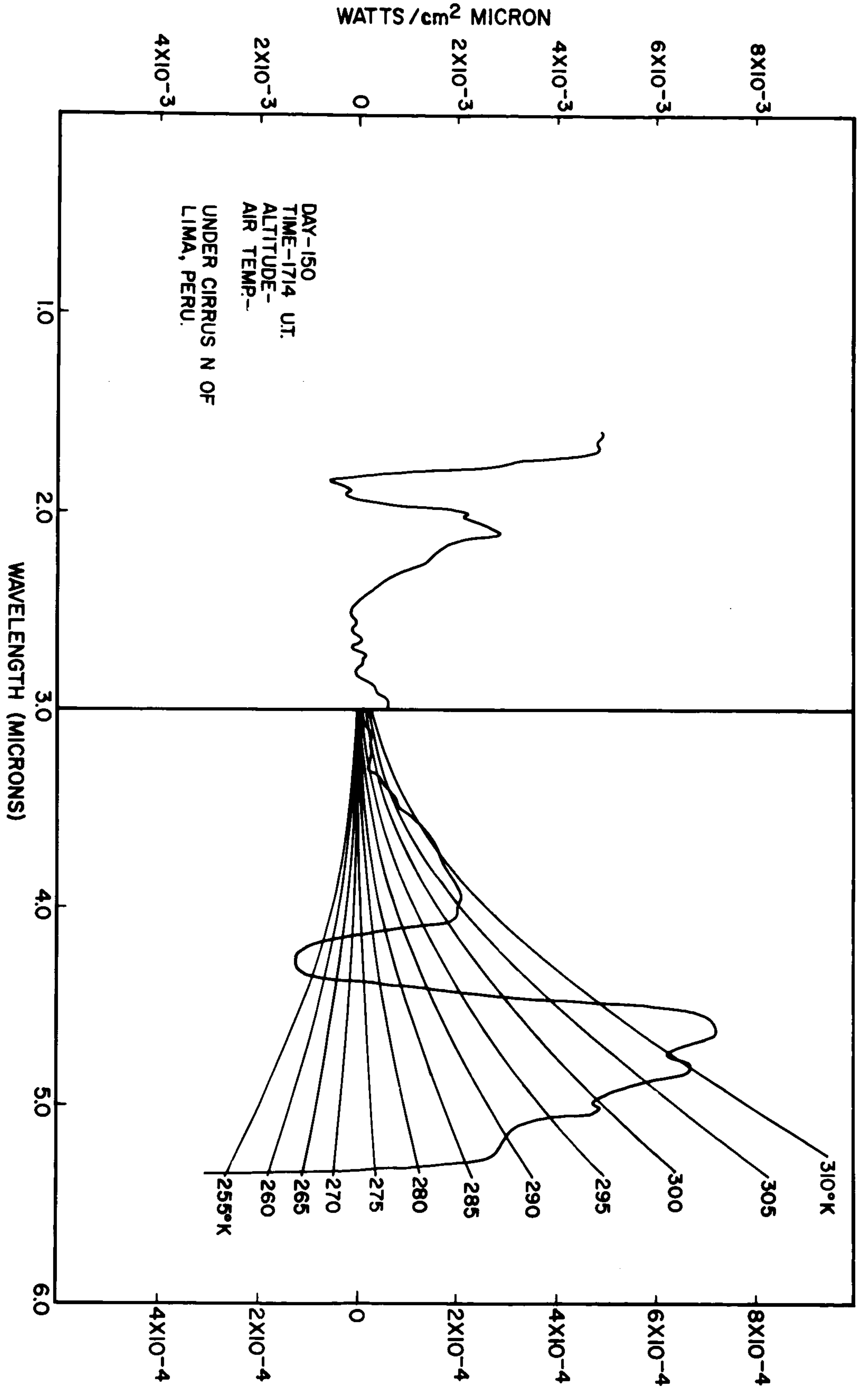


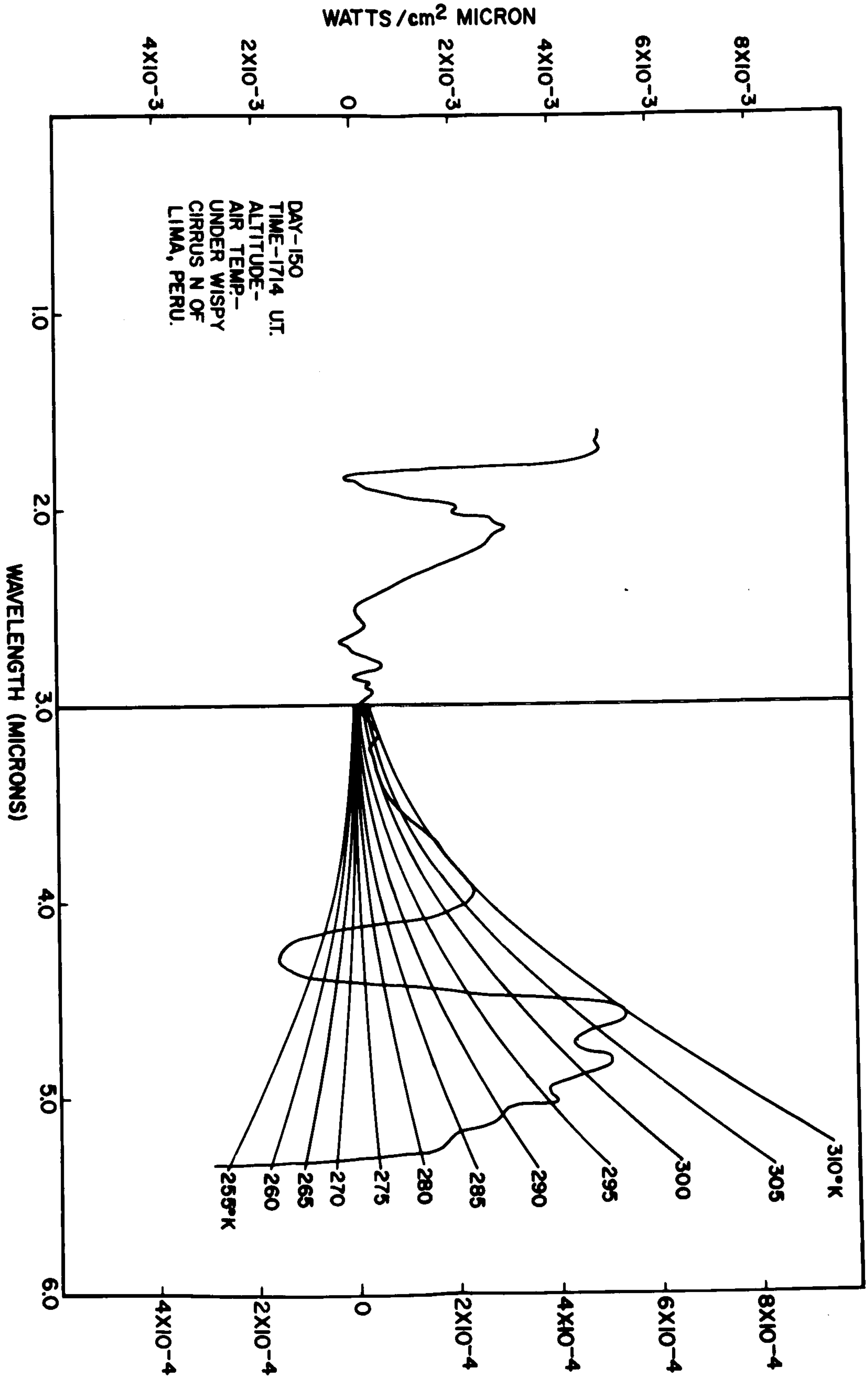
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1711 U.T.
ALTITUDE-
AIR TEMP.-
LOW ABLATED
SANDSTONE N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

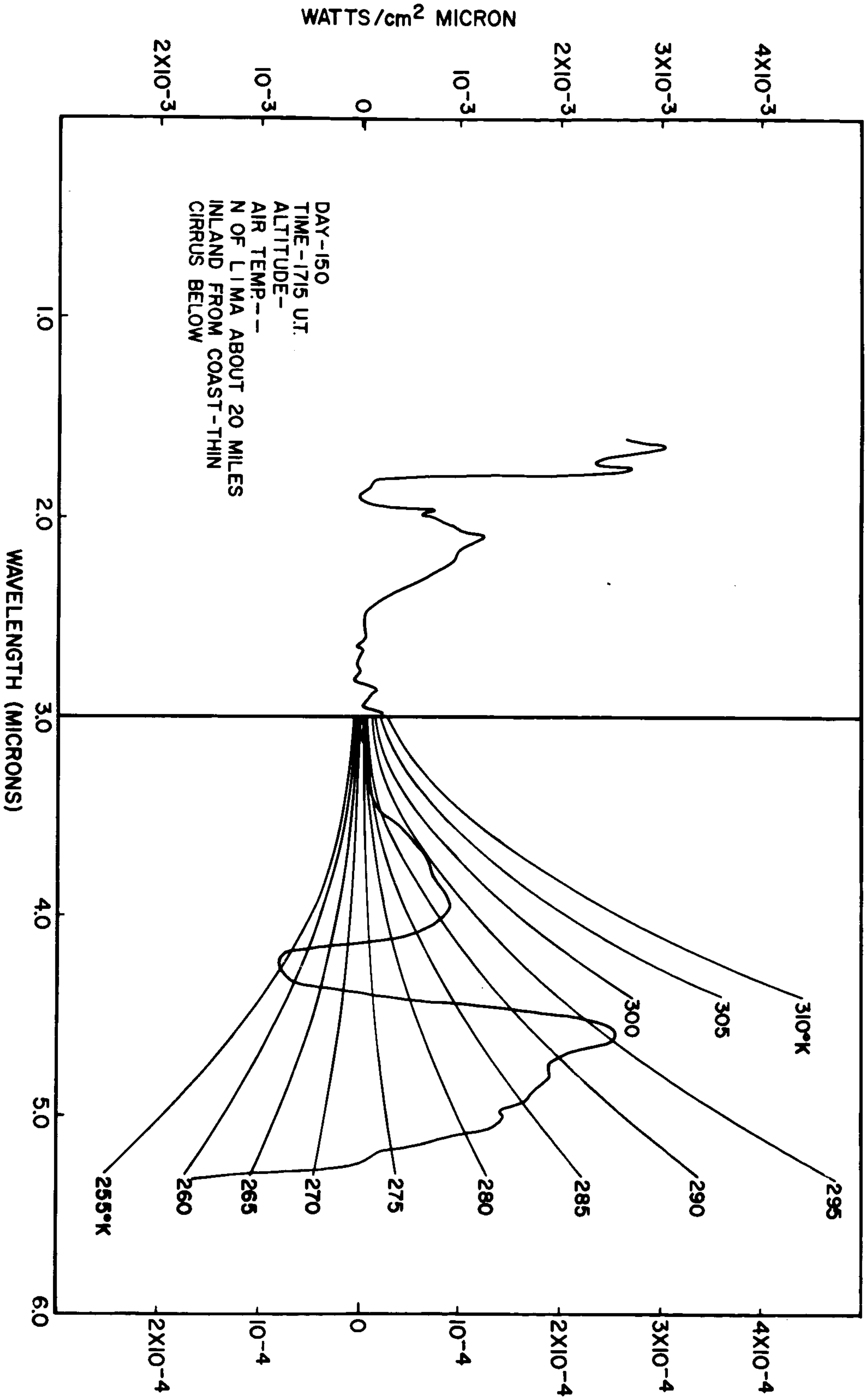

WATTS/cm² MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1712 U.T.
ALTITUDE-
AIR TEMP.-
IN THIN CIRRUS
N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

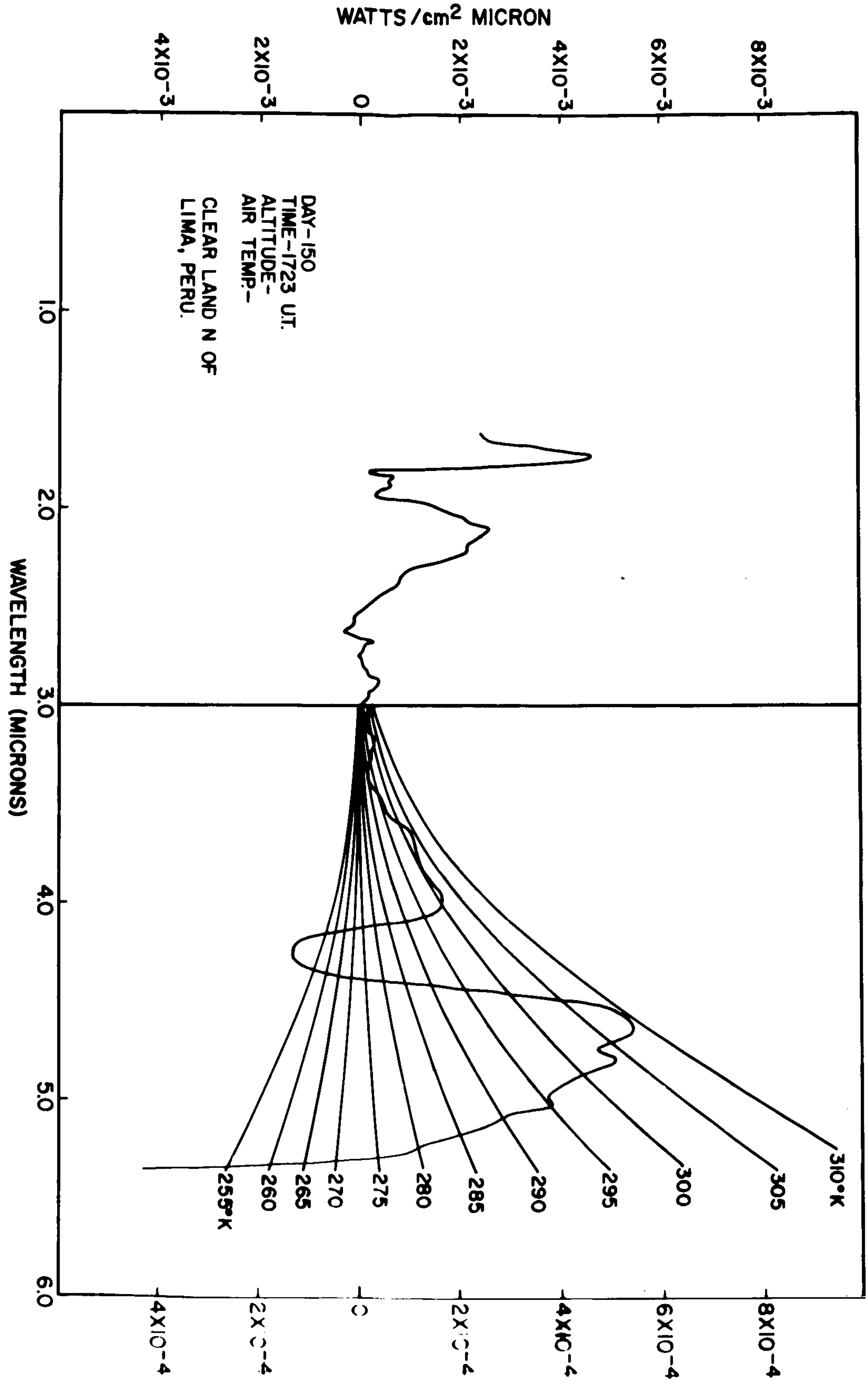

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-150
TIME-1713 U.T.
ALTITUDE-
AIR TEMP-
UNDER INCREASING
CIRRUS N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

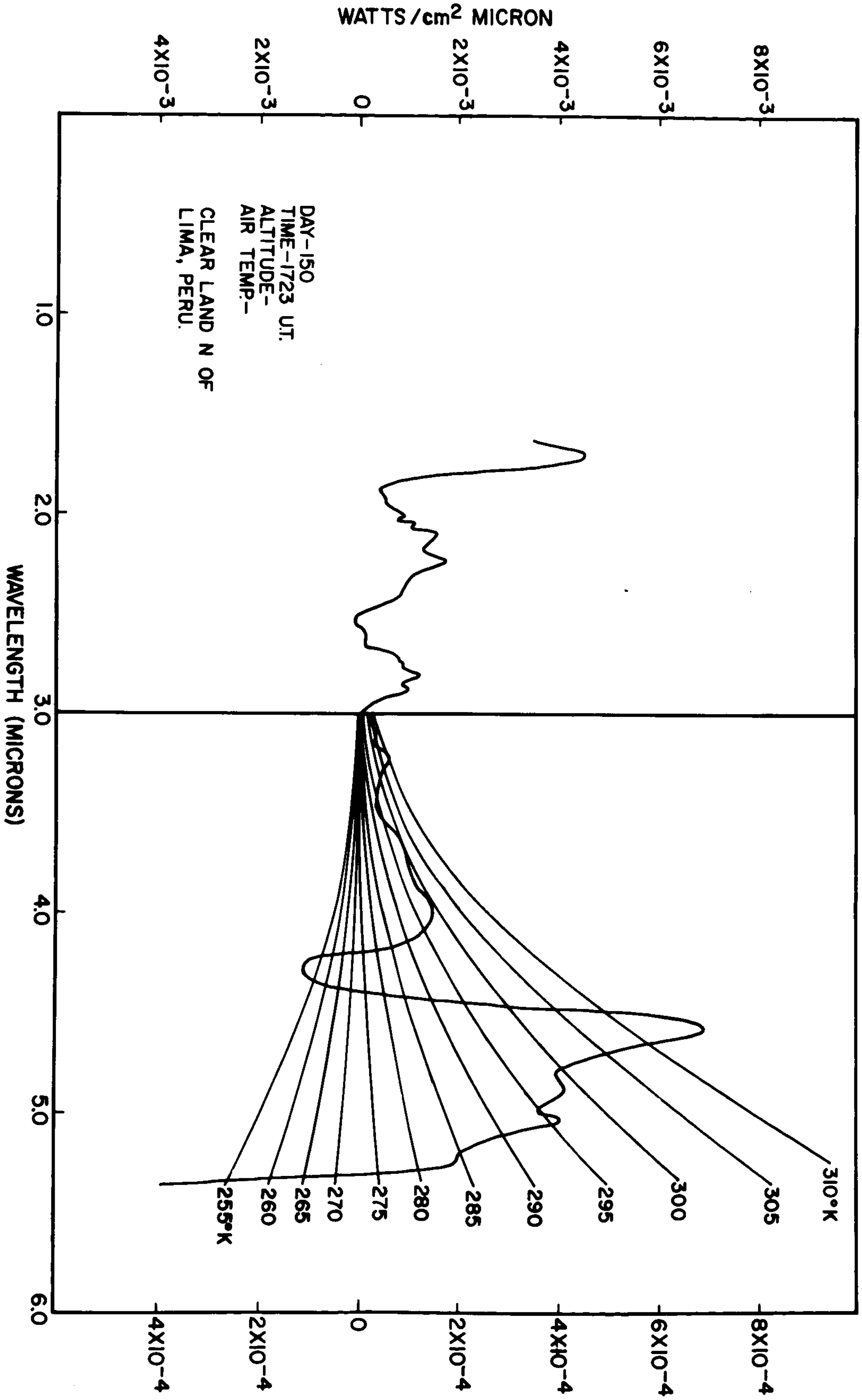

WATTS /cm² MICRON
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
6X10⁻³
8X10⁻³
DAY-150
TIME-1713 U.T.
ALTITUDE-
AIR TEMP.-
UNDER INCREASING
CIRRUS N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
6X10⁻⁴
8X10⁻⁴

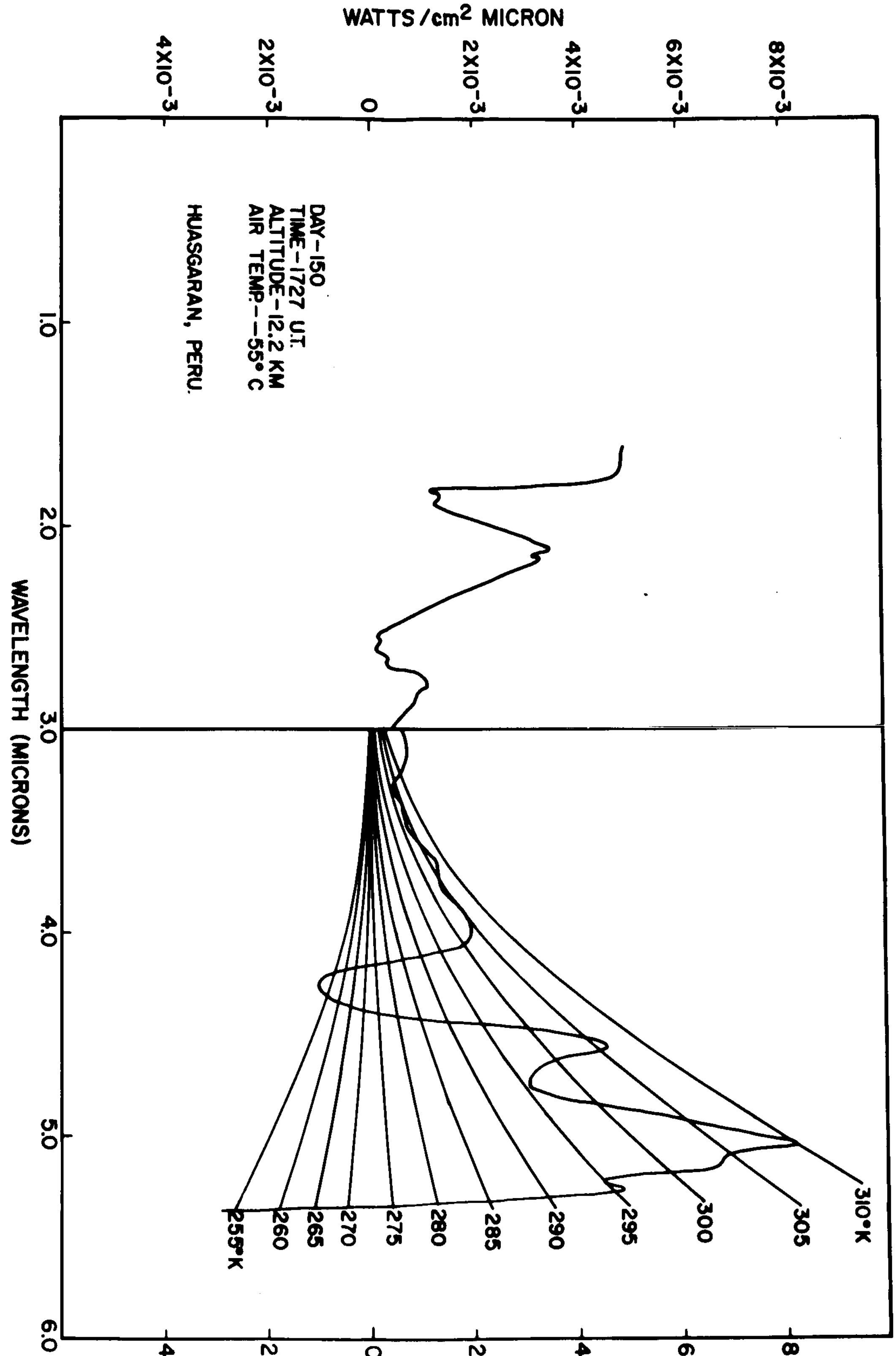

WATTS / cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-150
TIME-1714 U.T.
ALTITUDE-
AIR TEMP.-
UNDER CIRRUS N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-150
TIME-1714 U.T.
ALTITUDE-
AIR TEMP.-
UNDER WISPY
CIRRUS N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

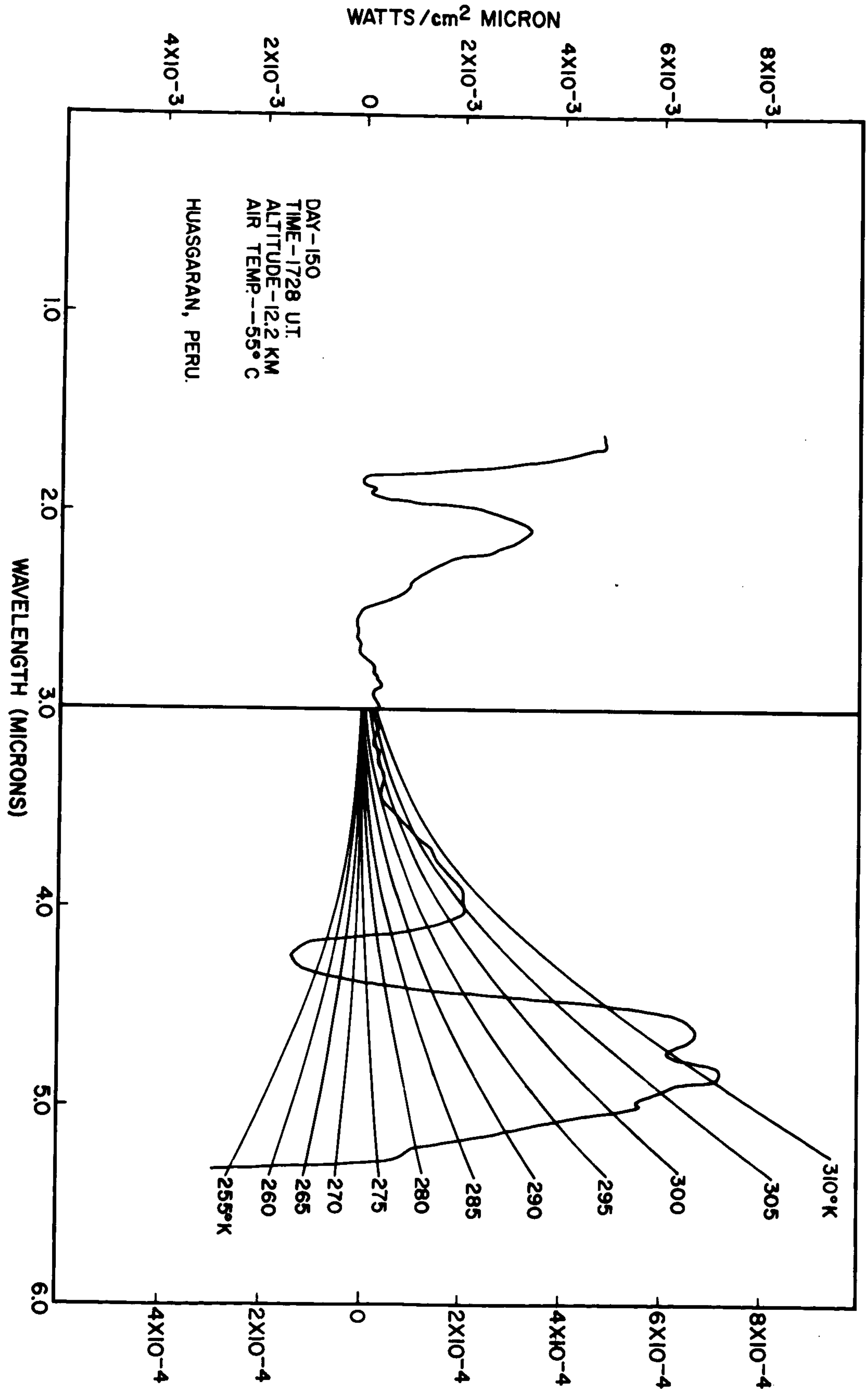

WATTS/cm^2 MICRON
4X10^{-3}
3X10^{-3}
2X10^{-3}
10^{-3}
0
10^{-3}
2X10^{-3}
DAY-150
TIME-1715 U.T.
ALTITUDE-
AIR TEMP.--
N OF LIMA ABOUT 20 MILES
INLAND FROM COAST-THIN
CIRRUS BELOW
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10^{-4}
3X10^{-4}
2X10^{-4}
10^{-4}
0
10^{-4}
2X10^{-4}


WATTS /cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-150
TIME-1723 U.T.
ALTITUDE-
AIR TEMP-
CLEAR LAND N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
6X10-4
8X10-4

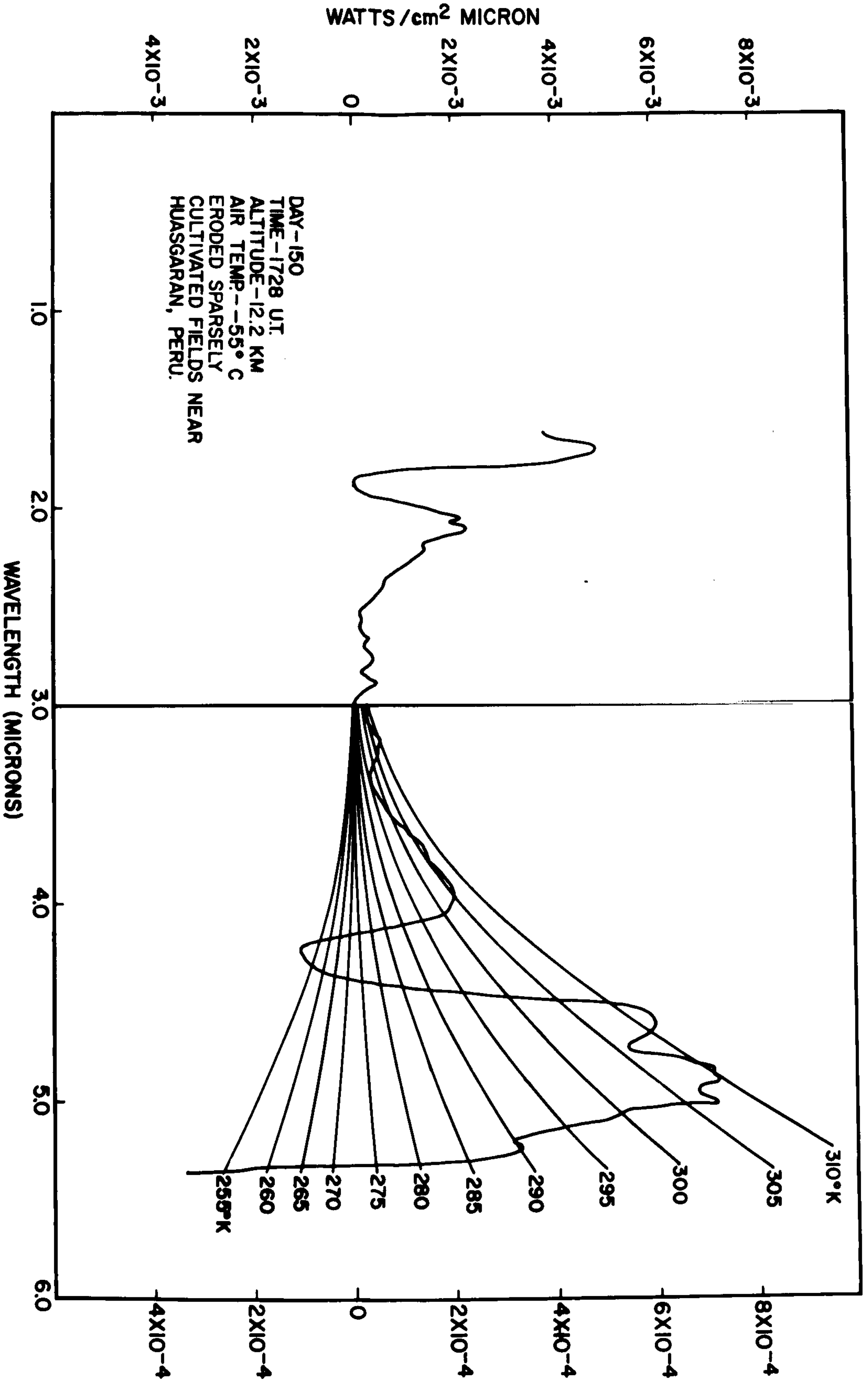

WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-150
TIME-1723 U.T.
ALTITUDE-
AIR TEMP.-
CLEAR LAND N OF
LIMA, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

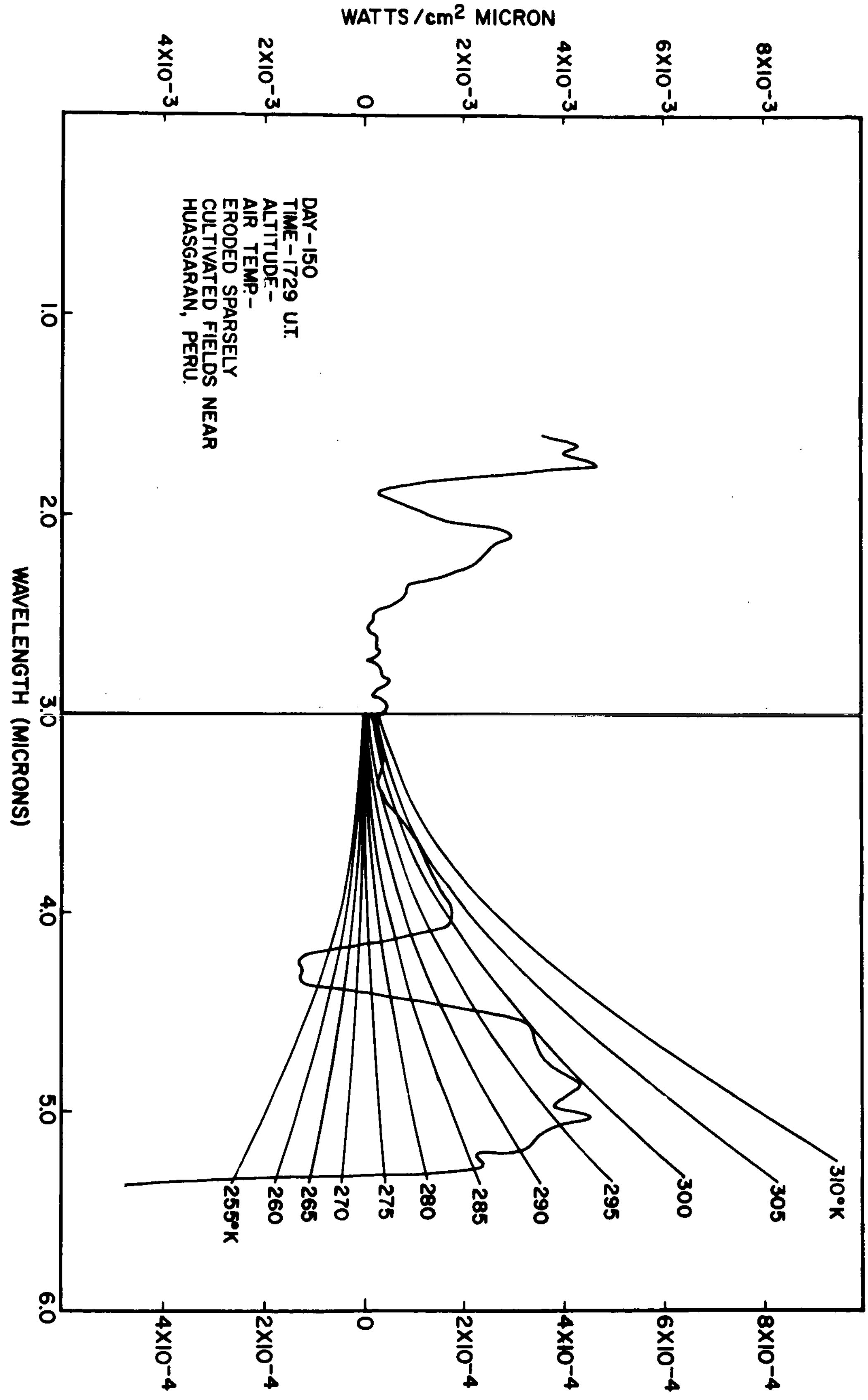


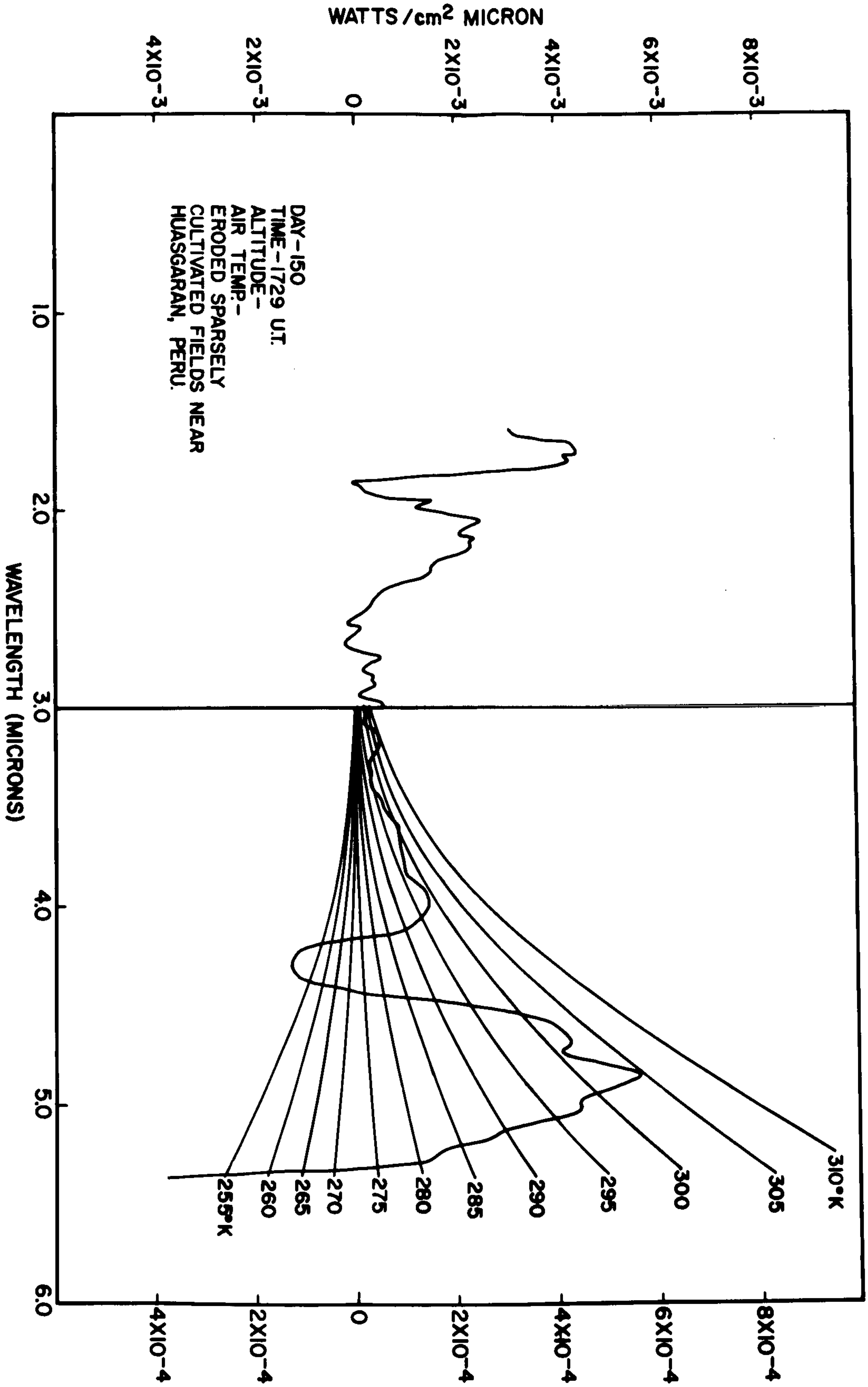
WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-150
TIME-1727 U.T.
ALTITUDE-12.2 KM
AIR TEMP.--55° C
HUASGARAN, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

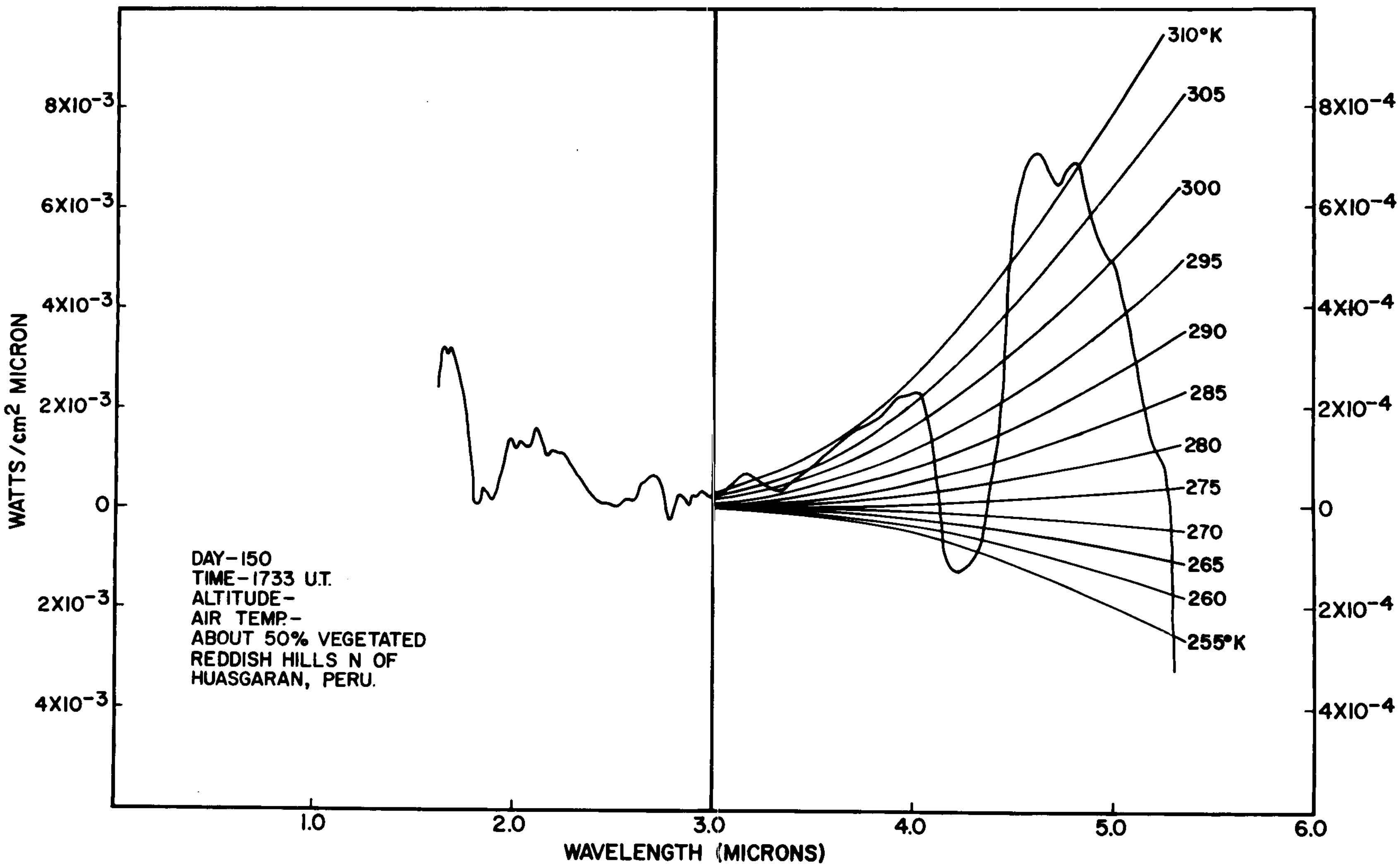


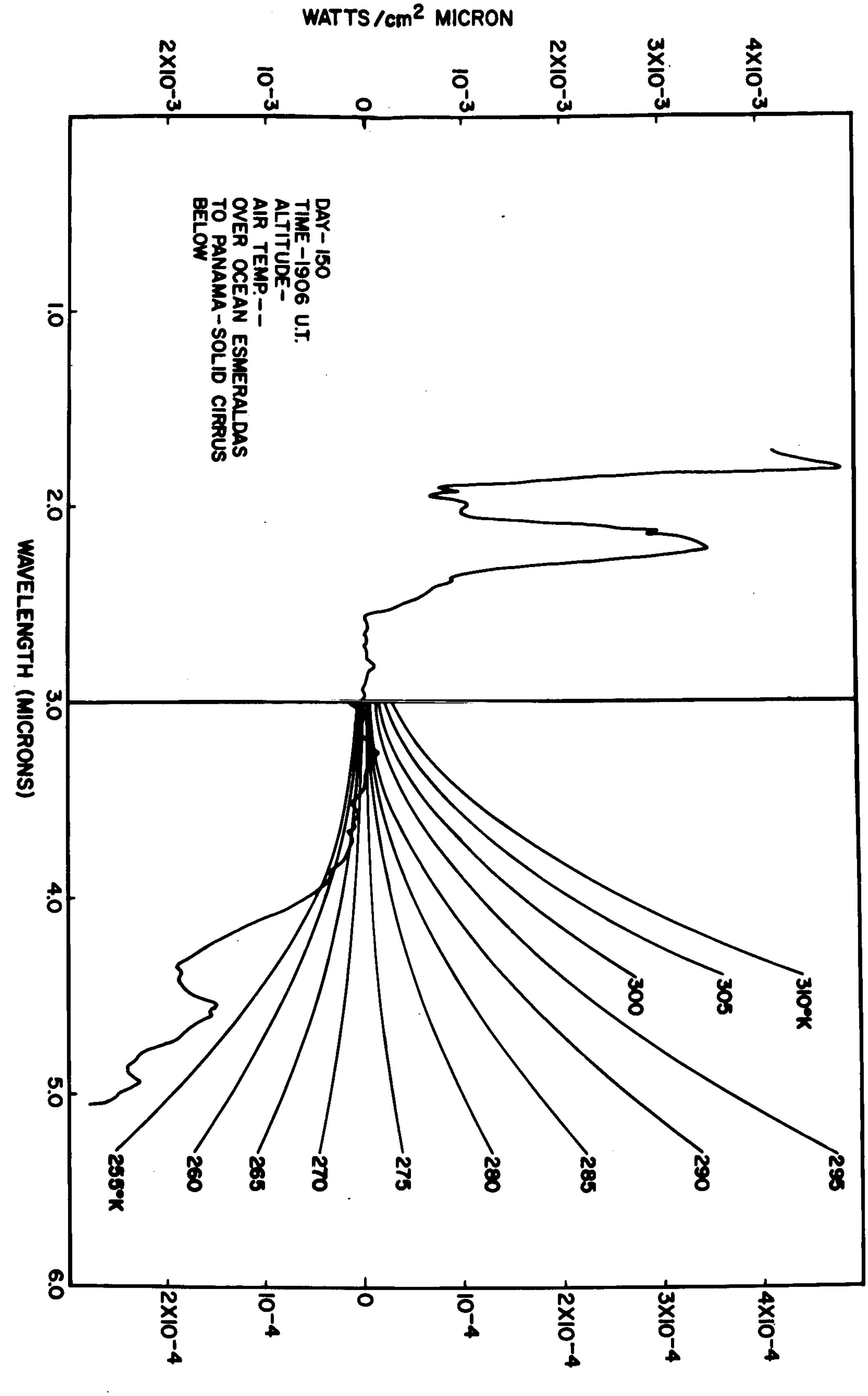
WATTS /cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-150
TIME-1728 U.T.
ALTITUDE-12.2 KM
AIR TEMP.--55° C
HUASGARAN, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4

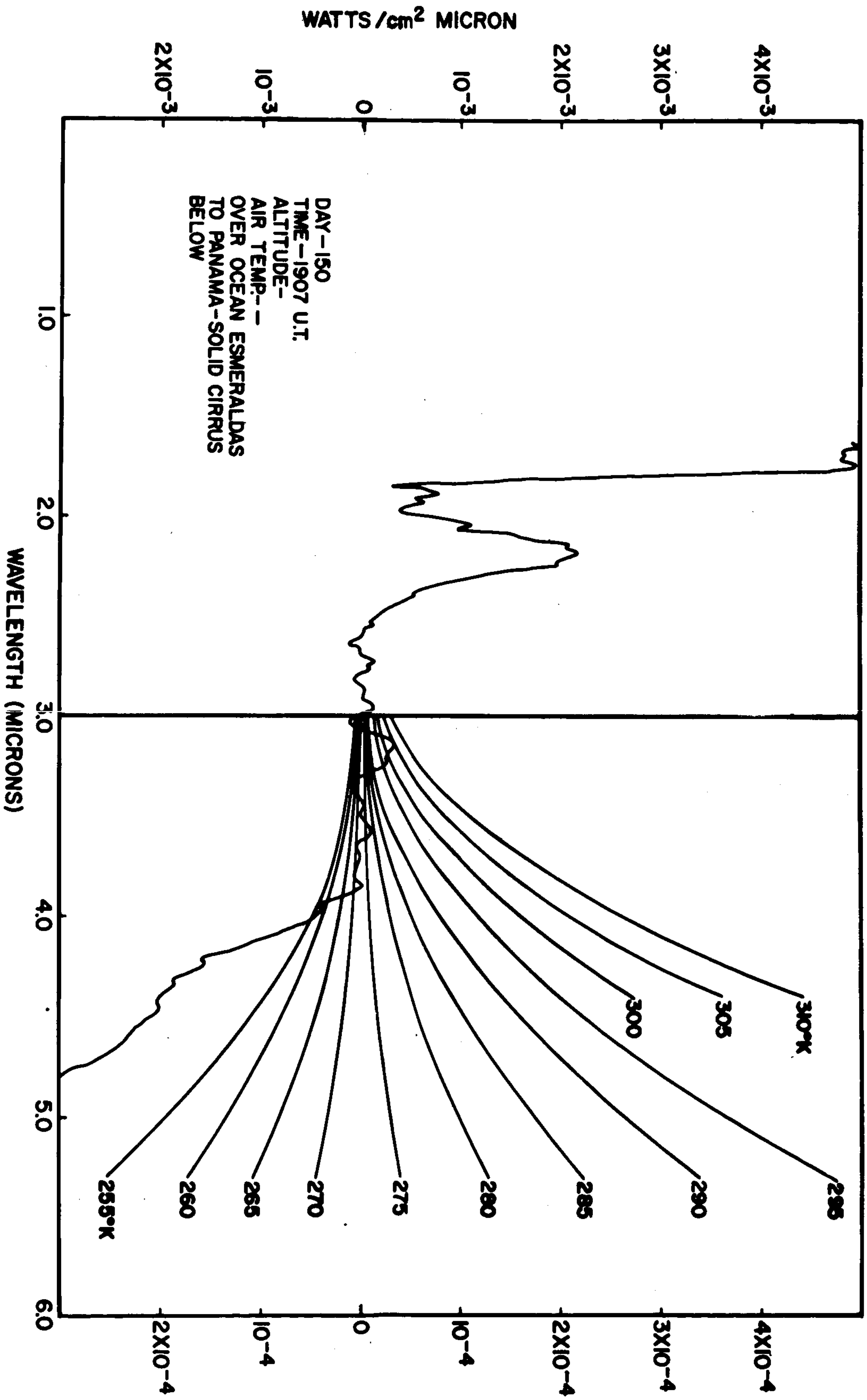

WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-150
TIME-1728 U.T.
ALTITUDE-12.2 KM
AIR TEMP.--55° C
ERODED SPARSELY
CULTIVATED FIELDS NEAR
HUASGARAN, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS /cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-150
TIME-1729 U.T.
ALTITUDE-
AIR TEMP.-
ERODED SPARSELY
CULTIVATED FIELDS NEAR
HUASGARAN, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

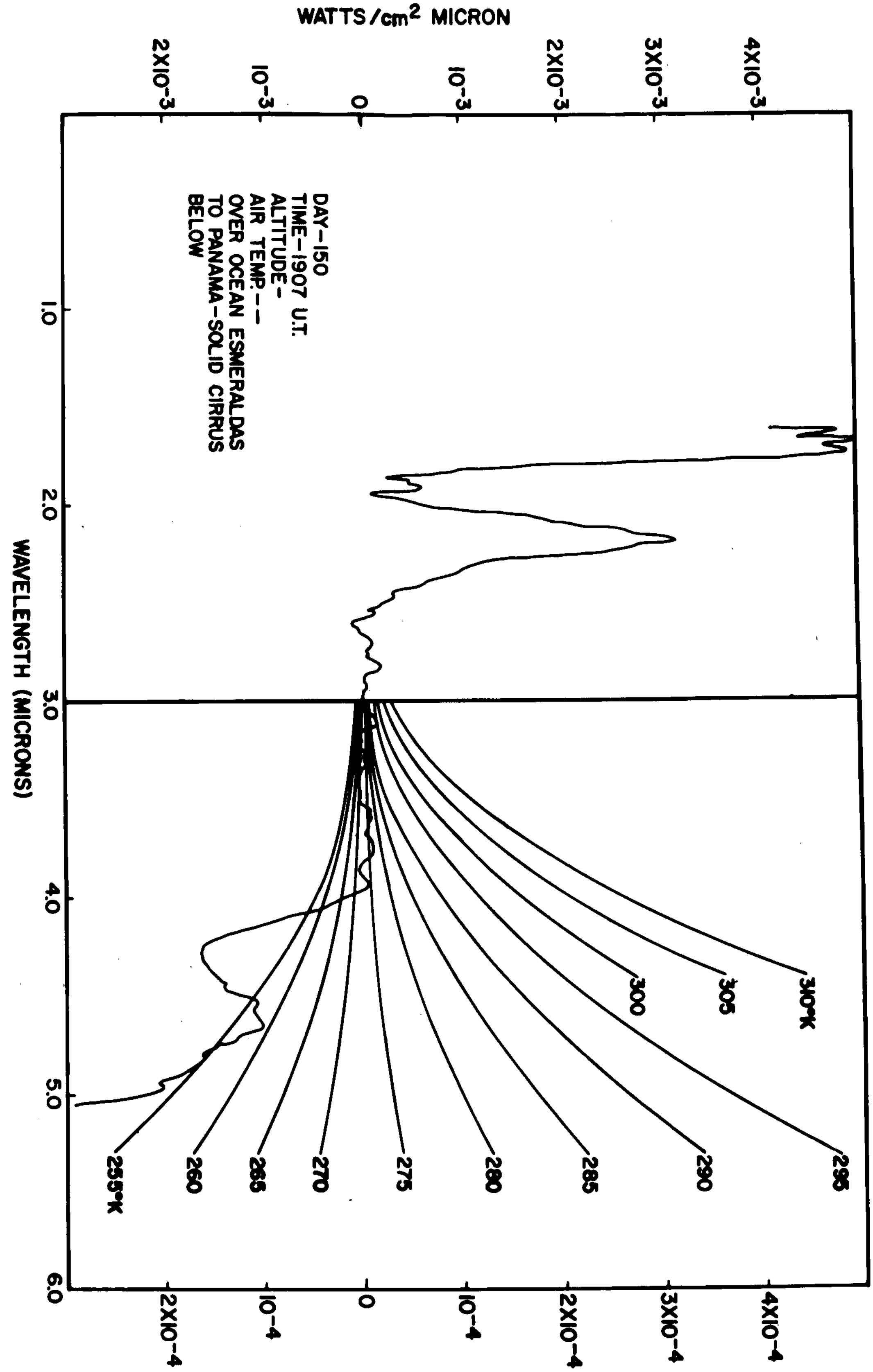

WATTS /cm2 MICRON
4X10-3
2X10-3
0
2X10-3
4X10-3
6X10-3
8X10-3
DAY-150
TIME-1729 U.T.
ALTITUDE-
AIR TEMP.-
ERODED SPARSELY
CULTIVATED FIELDS NEAR
HUASGARAN, PERU.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
2X10-4
0
2X10-4
4X10-4
6X10-4
8X10-4

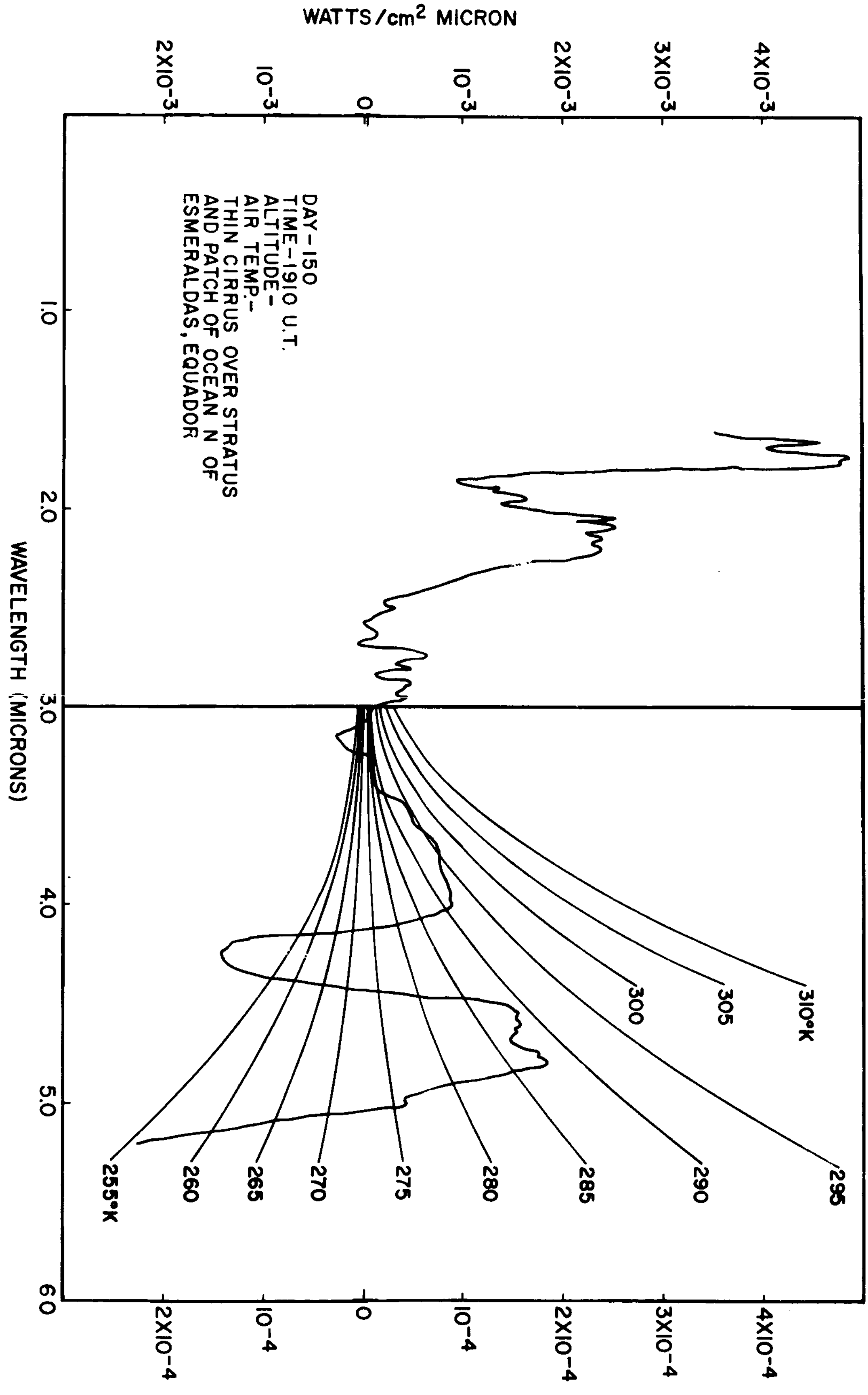

WATTS / cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
DAY-150
TIME-1733 U.T.
ALTITUDE-
AIR TEMP.-
ABOUT 50% VEGETATED
REDDISH HILLS N OF
HUASGARAN, PERU.
310°K
305
300
295
290
285
280
275
270
265
260
255°K

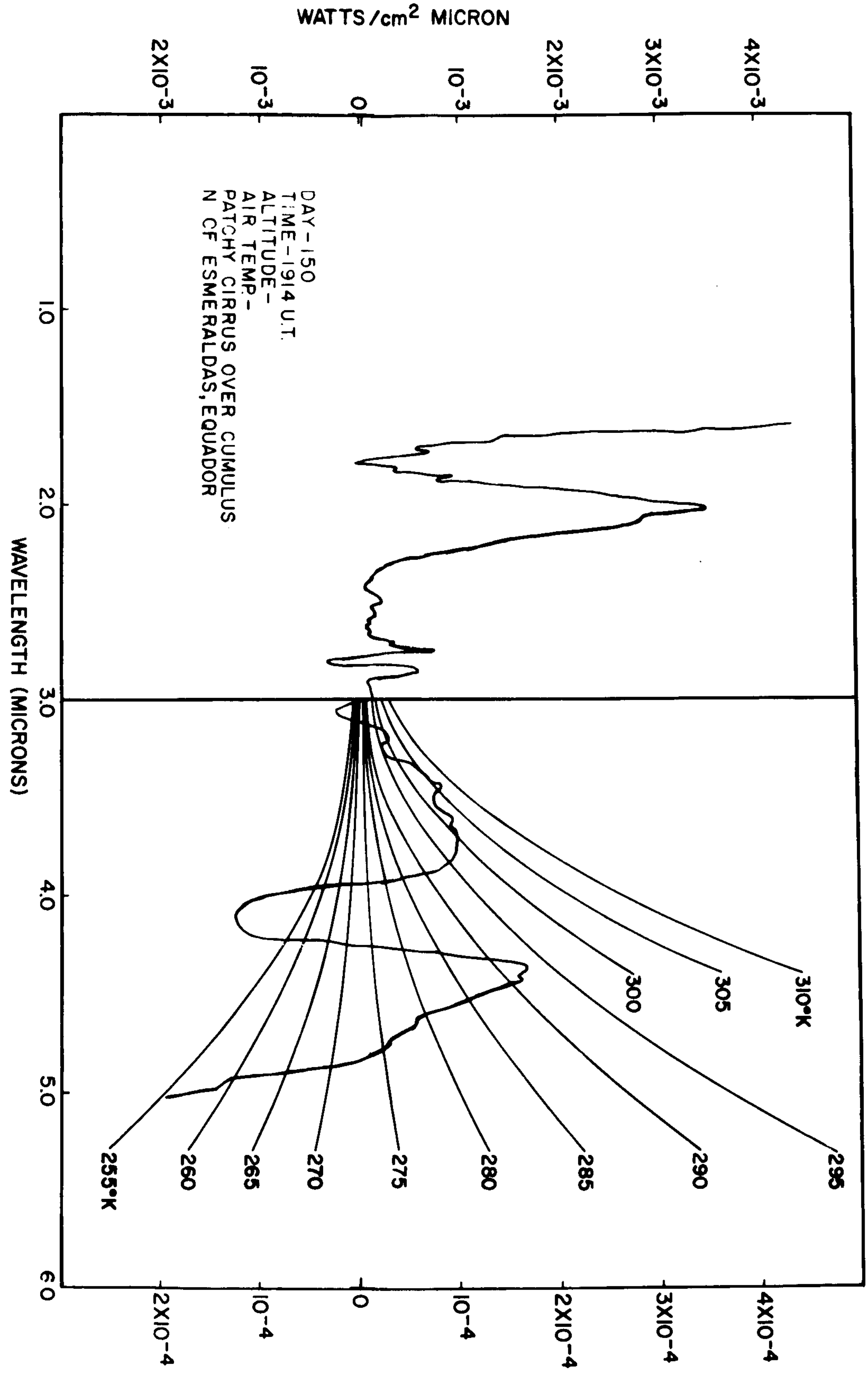

WATTS/cm2 MICRON
2X10-3
10-3
0
10-3
2X10-3
3X10-3
4X10-3
DAY- 150
TIME -1906 U.T.
ALTITUDE-
AIR TEMP.--
OVER OCEAN ESMERALDAS
TO PANAMA - SOLID CIRRUS
BELOW
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
2X10-4
10-4
0
10-4
2X10-4
3X10-4
4X10-4



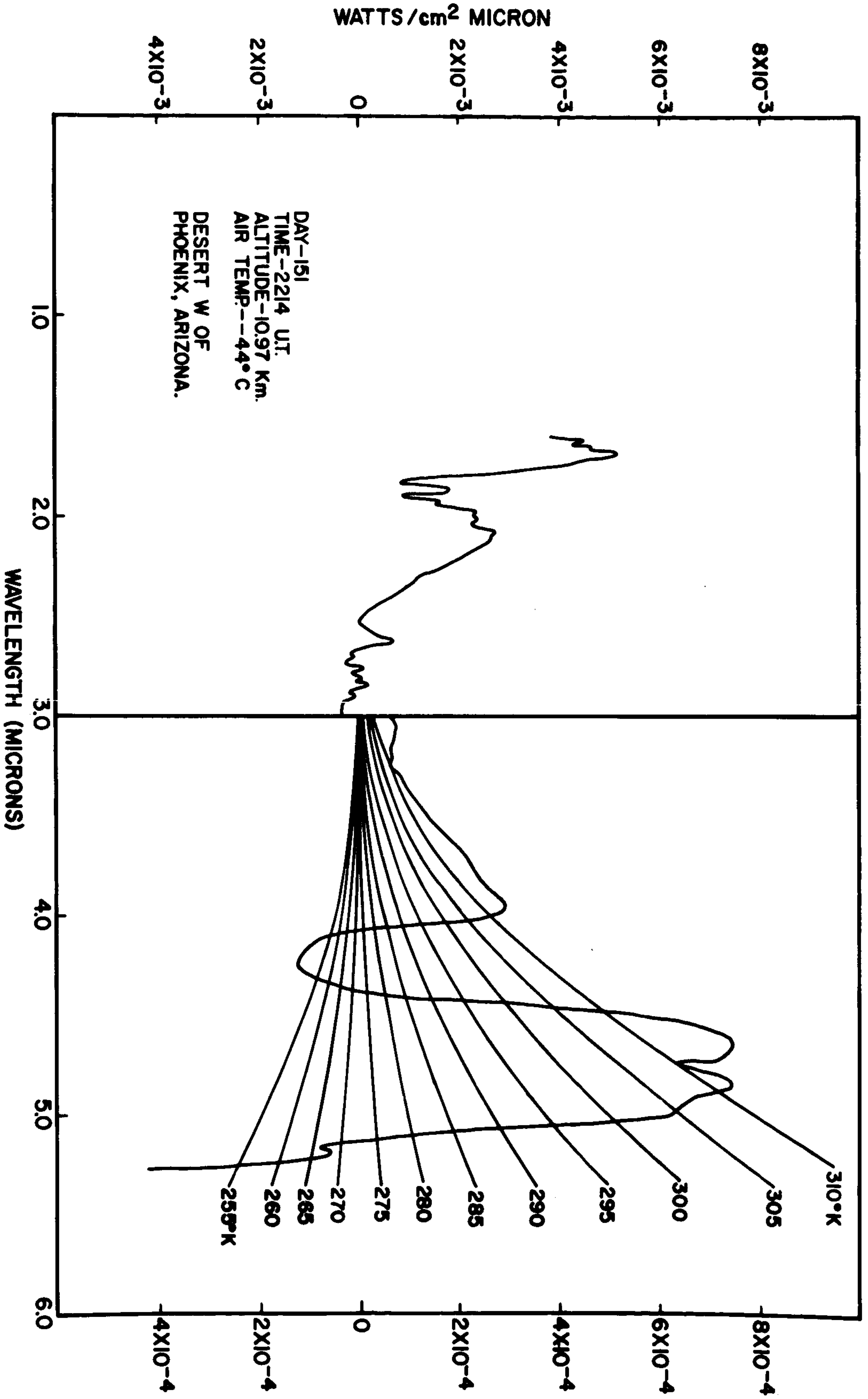
WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY—150
TIME—1907 U.T.
ALTITUDE-
AIR TEMP.—
OVER OCEAN ESMERALDAS
TO PANAMA-SOLID CIRRUS
BELOW
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴

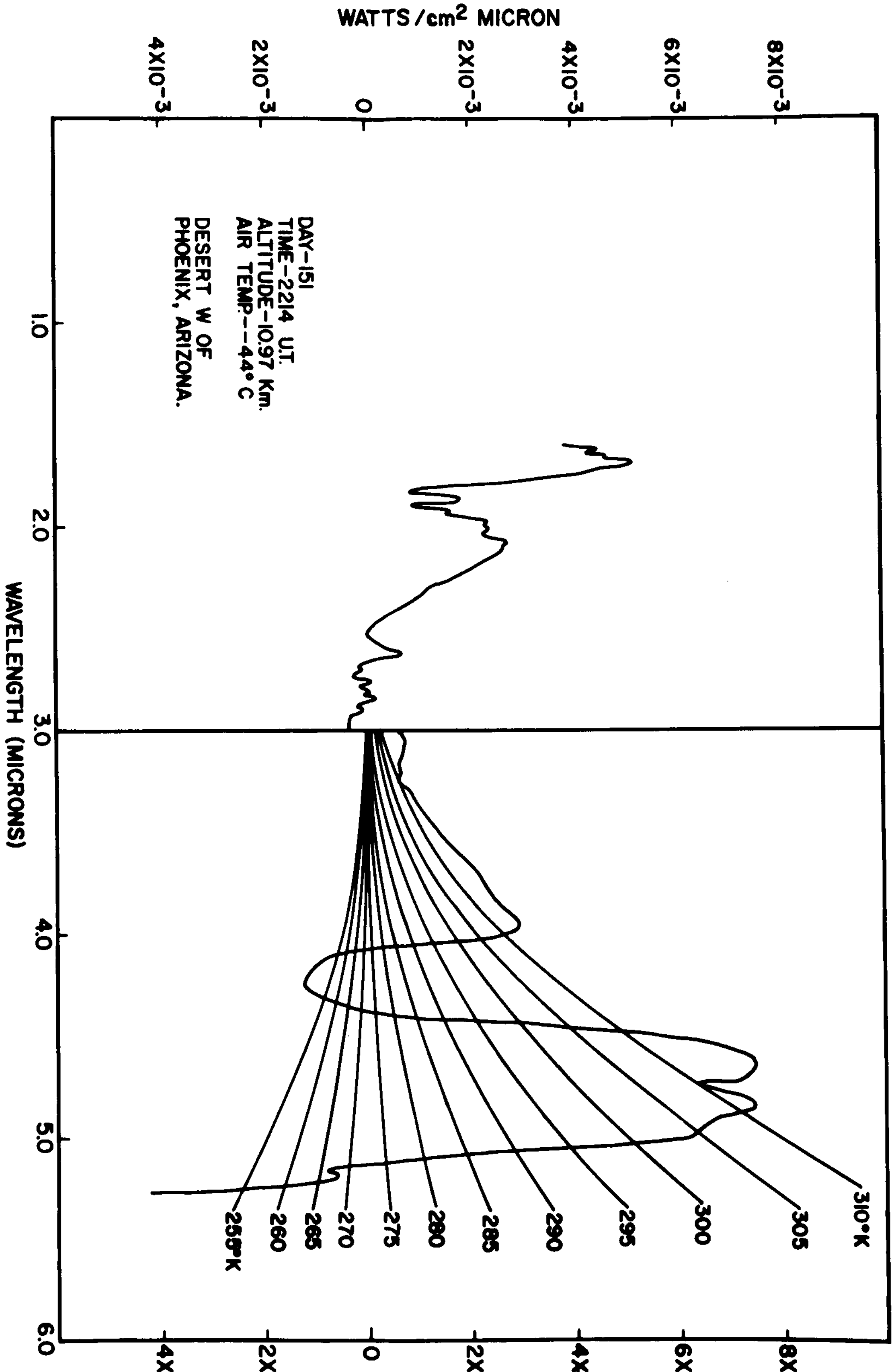

WATTS/cm² MICRON
4X10⁻³
3X10⁻³
2X10⁻³
10⁻³
0
10⁻³
2X10⁻³
DAY-150
TIME-1907 U.T.
ALTITUDE-
AIR TEMP.--
OVER OCEAN ESMERALDAS
TO PANAMA-SOLID CIRRUS
BELOW
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
3X10⁻⁴
2X10⁻⁴
10⁻⁴
0
10⁻⁴
2X10⁻⁴


WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1910 U.T.
ALTITUDE-
AIR TEMP.-
THIN CIRRUS OVER STRATUS
AND PATCH OF OCEAN N OF
ESMERALDAS, EQUADOR
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4

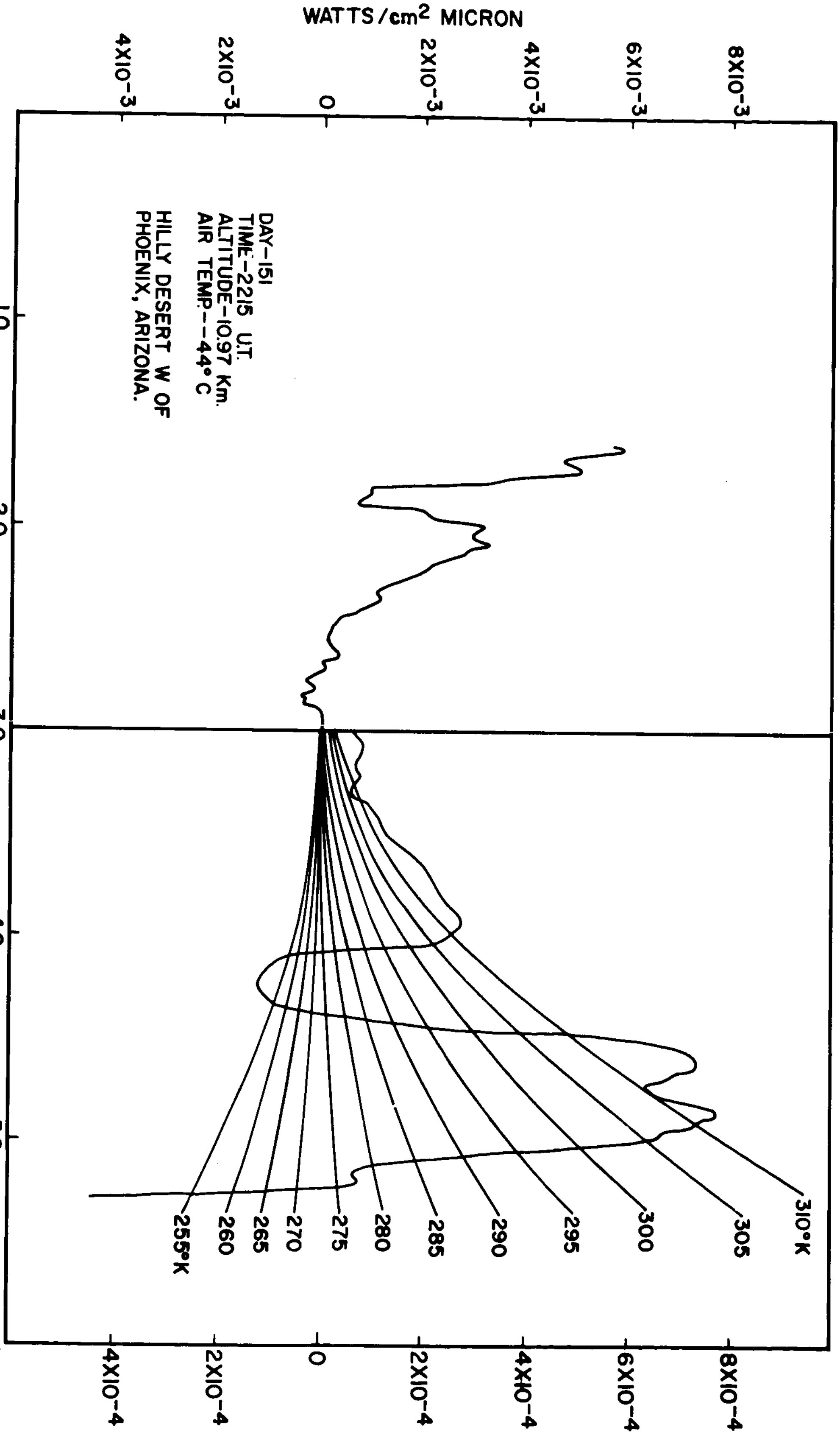


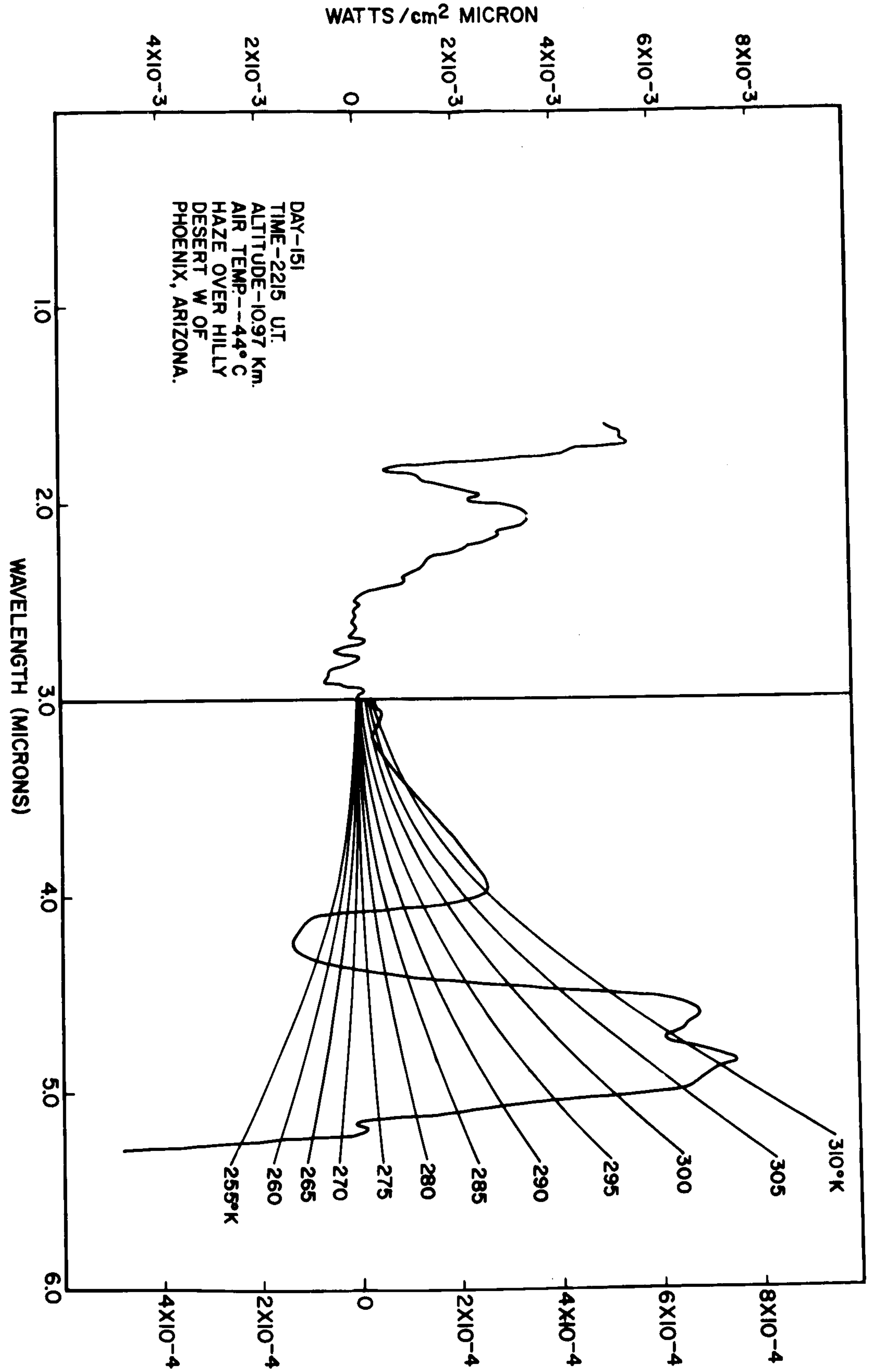
WATTS/cm2 MICRON
4X10-3
3X10-3
2X10-3
10-3
0
10-3
2X10-3
DAY-150
TIME-1914 U.T.
ALTITUDE-
AIR TEMP-
PATCHY CIRRUS OVER CUMULUS
N OF ESMERALDAS, EQUADOR
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10-4
3X10-4
2X10-4
10-4
0
10-4
2X10-4


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-151
TIME-2214 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44° C
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

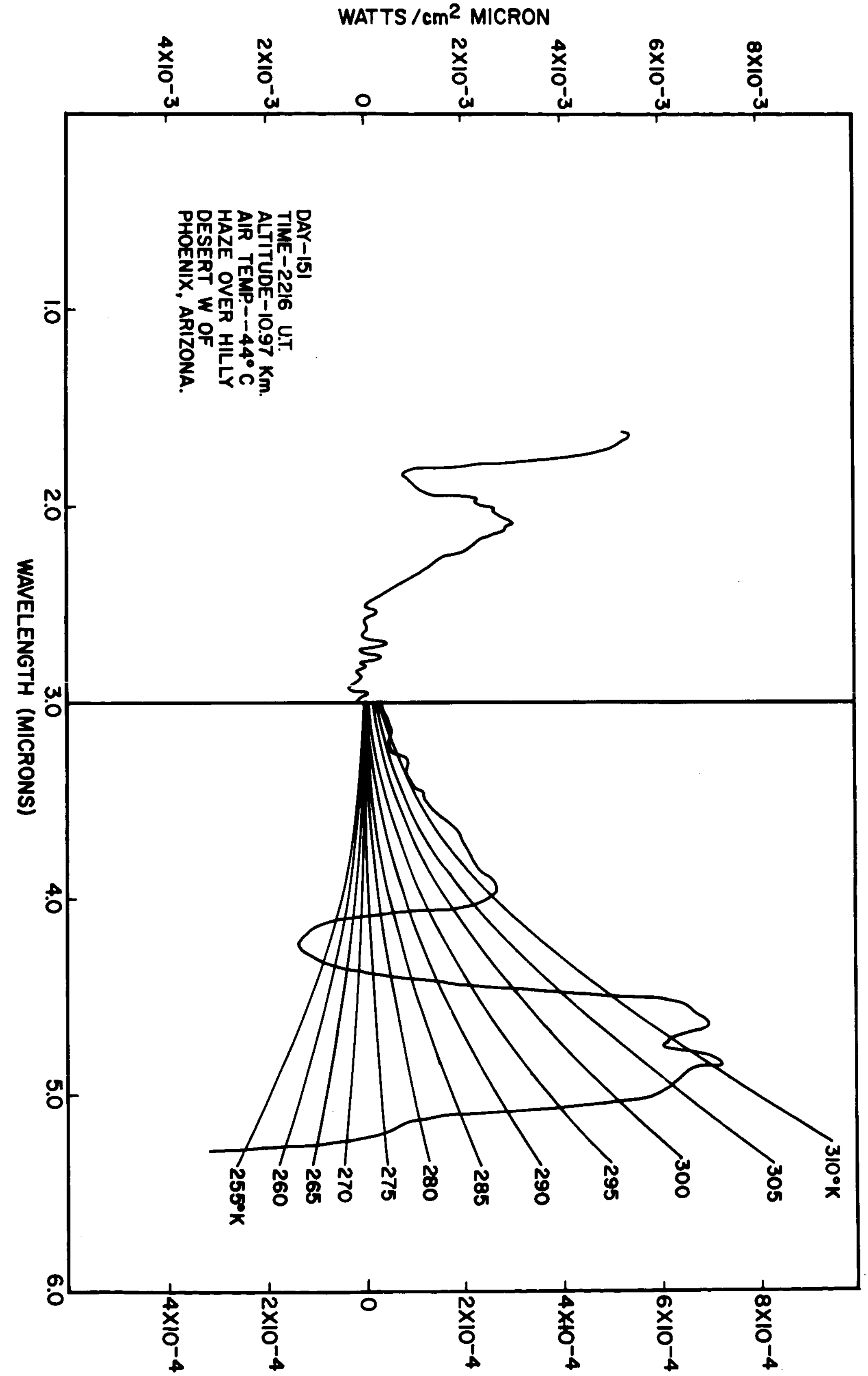


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-151
TIME-2214 U.T.
ALTITUDE-10.97 Km.
AIR TEMP--44°C
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

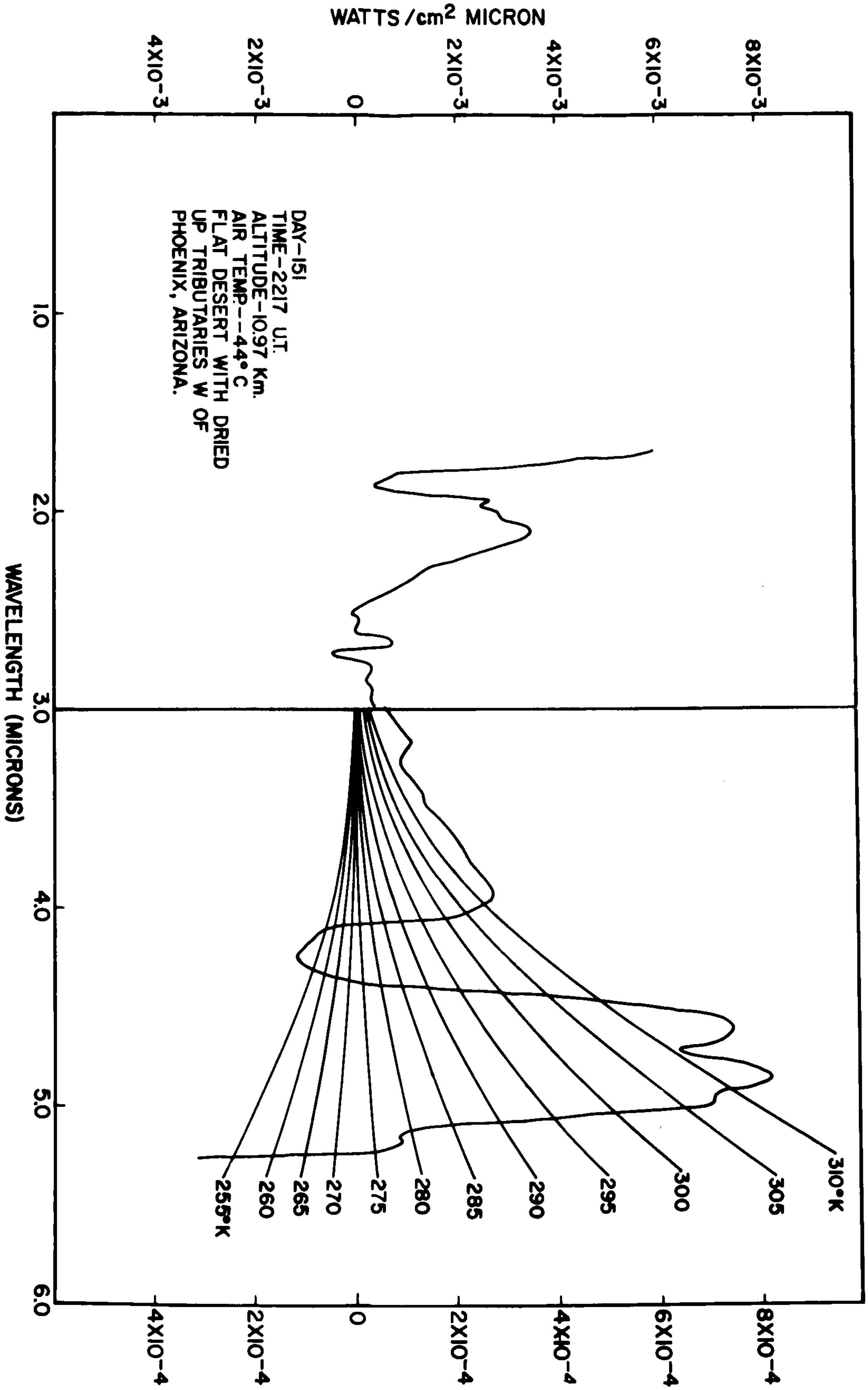

WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-151
TIME-2215 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44° C
HILLY DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴

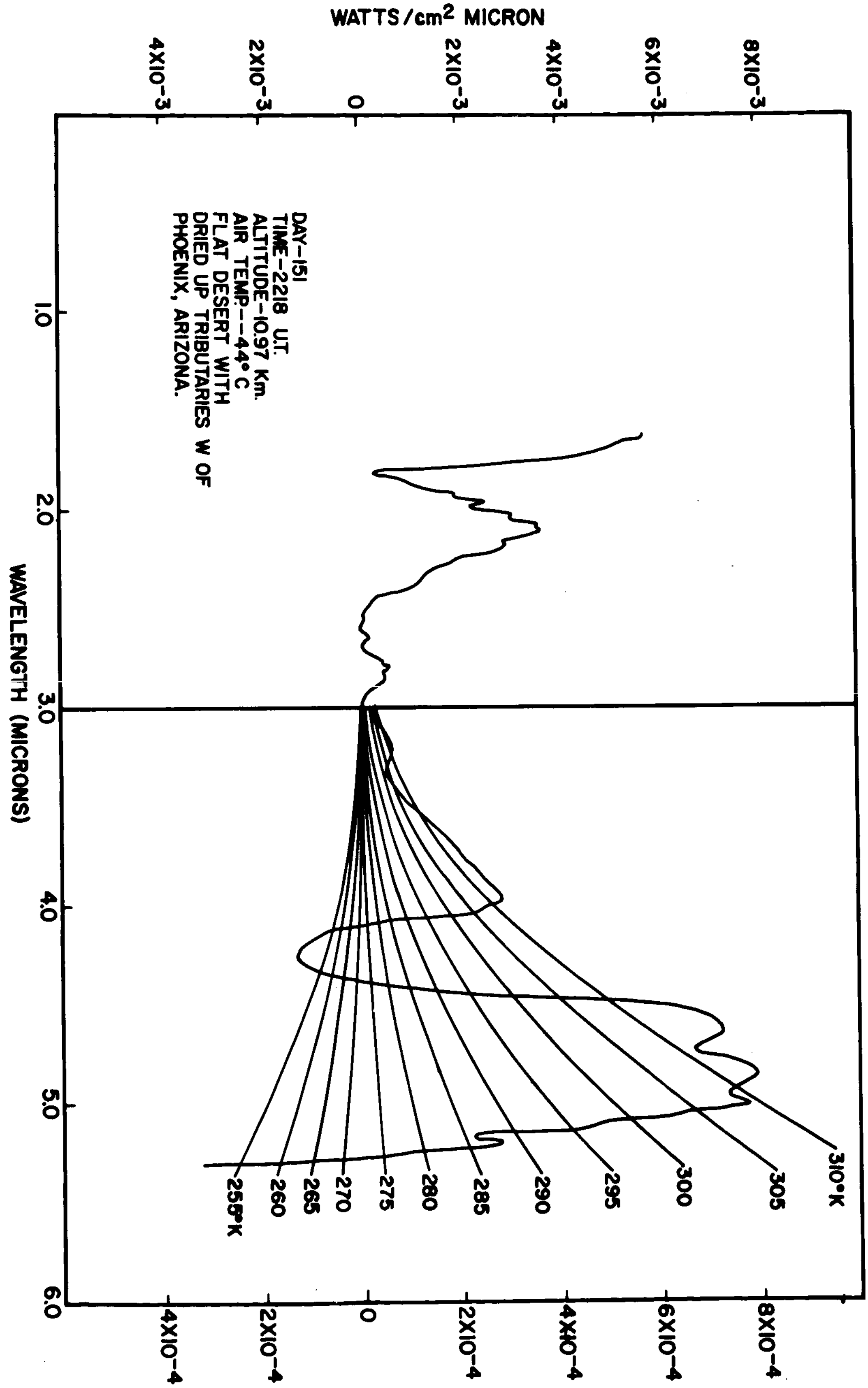


WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-151
TIME-2215 U.T.
ALTITUDE-10.97 Km.
AIR TEMP--44° C
HAZE OVER HILLY
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

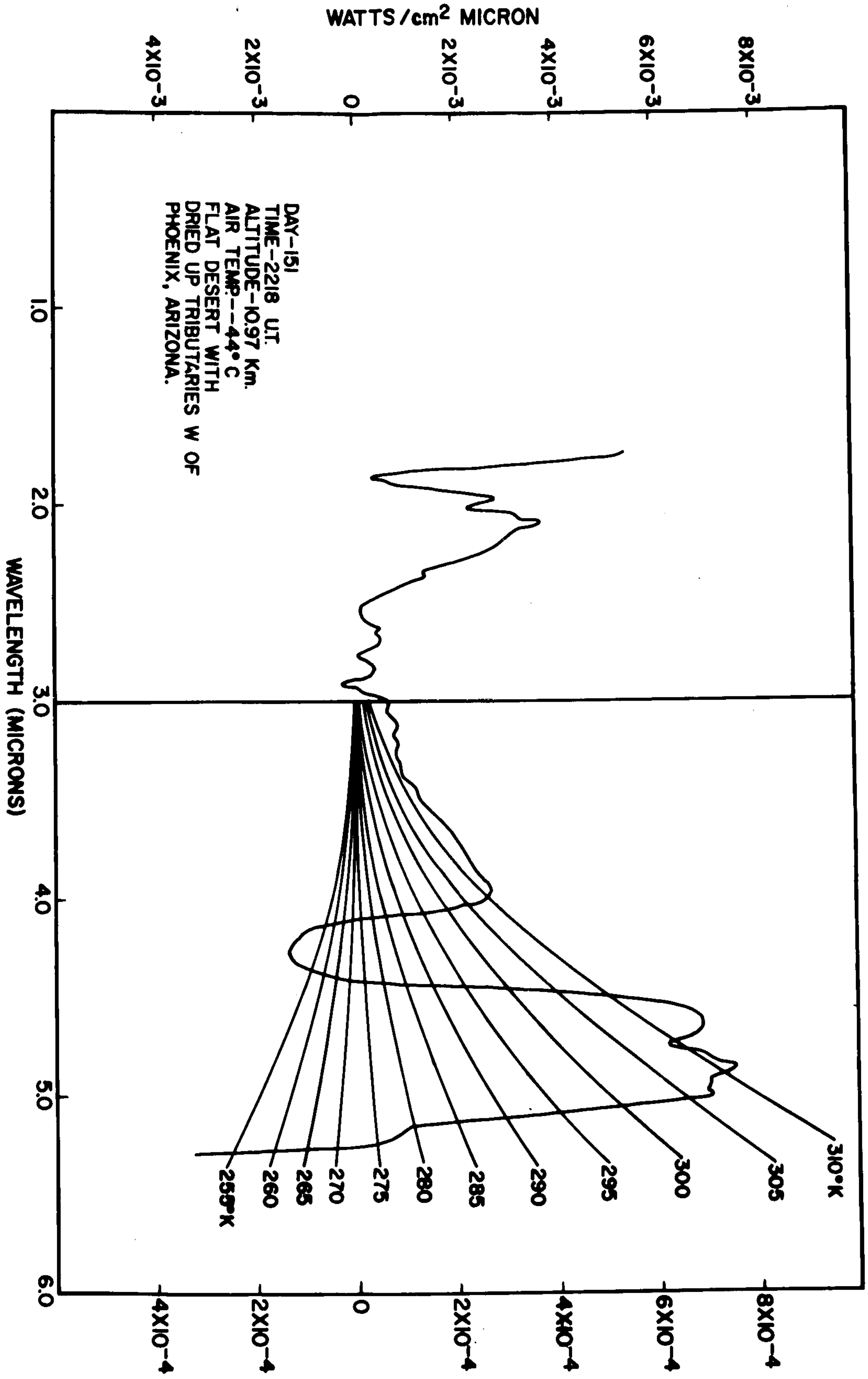


WATTS/cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-151
TIME-2216 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44°C
HAZE OVER HILLY
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4

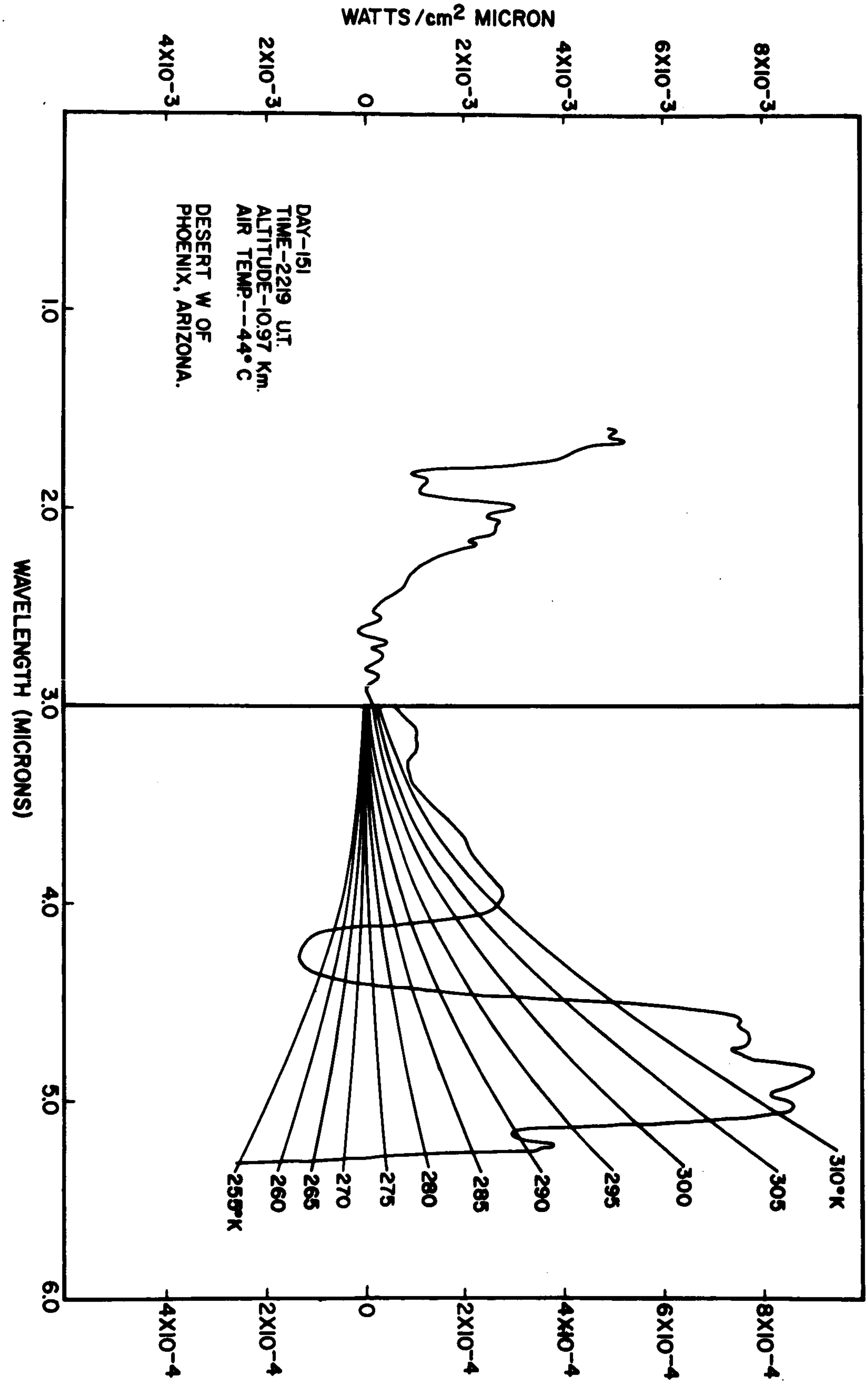

WATTS / cm² MICRON
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
6X10⁻³
8X10⁻³
DAY-151
TIME-2217 U.T.
ALTITUDE-10.97 Km.
AIR TEMP--44° C
FLAT DESERT WITH DRIED
UP TRIBUTARIES W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴
6X10⁻⁴
8X10⁻⁴

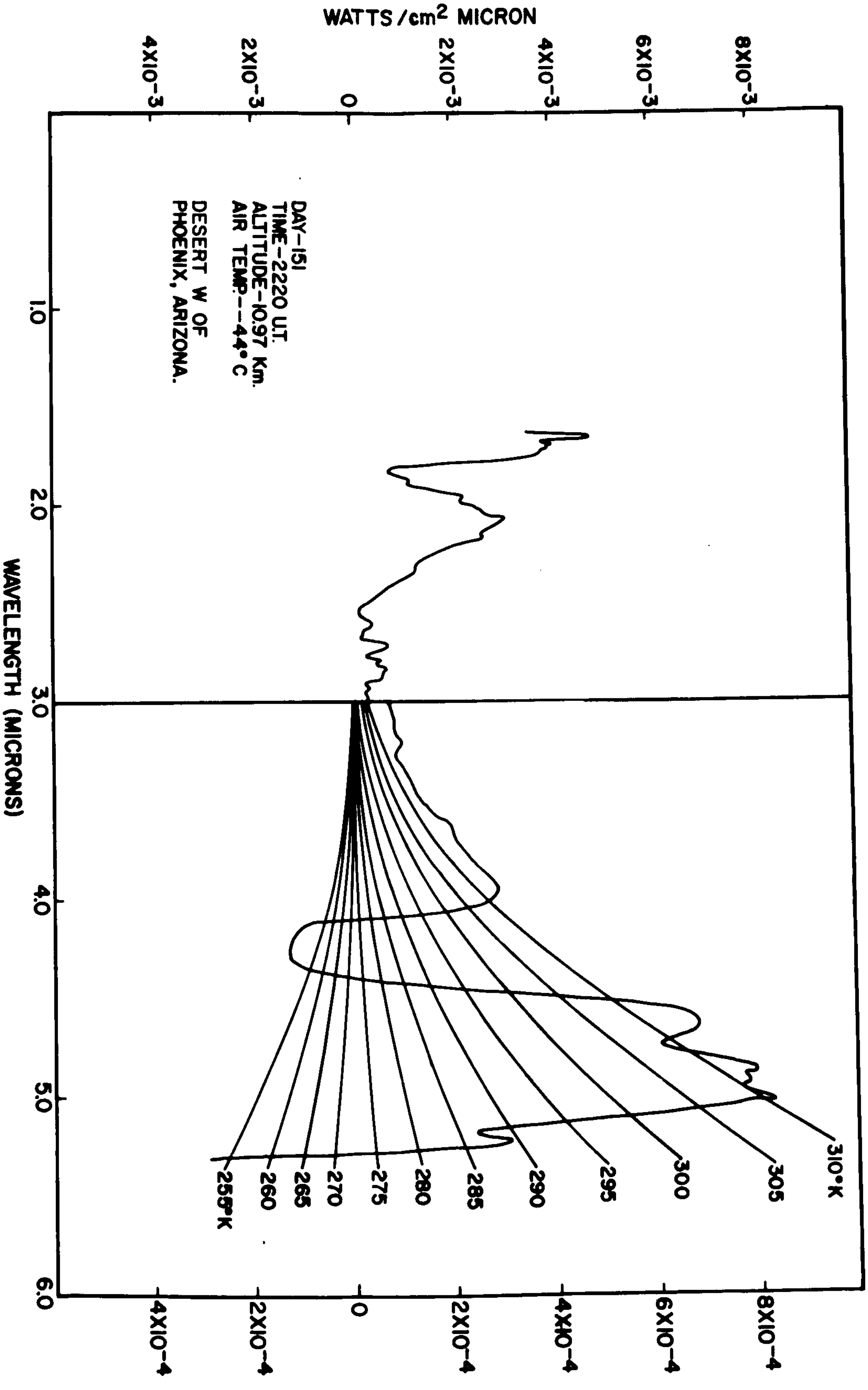


WATTS/cm² MICRON
8X10⁻³
6X10⁻³
4X10⁻³
2X10⁻³
0
2X10⁻³
4X10⁻³
DAY-151
TIME-2218 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44°C
FLAT DESERT WITH
DRIED UP TRIBUTARIES W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10⁻⁴
6X10⁻⁴
4X10⁻⁴
2X10⁻⁴
0
2X10⁻⁴
4X10⁻⁴



WATTS/cm^2 MICRON
8X10^{-3}
6X10^{-3}
4X10^{-3}
2X10^{-3}
0
2X10^{-3}
4X10^{-3}
DAY-151
TIME-2218 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44°C
FLAT DESERT WITH
DRIED UP TRIBUTARIES W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10^{-4}
6X10^{-4}
4X10^{-4}
2X10^{-4}
0
2X10^{-4}
4X10^{-4}


WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-151
TIME-2219 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44°C
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4


WATTS /cm2 MICRON
8X10-3
6X10-3
4X10-3
2X10-3
0
2X10-3
4X10-3
DAY-151
TIME-2220 U.T.
ALTITUDE-10.97 Km.
AIR TEMP.--44° C
DESERT W OF
PHOENIX, ARIZONA.
1.0
2.0
3.0
4.0
5.0
6.0
WAVELENGTH (MICRONS)
310°K
305
300
295
290
285
280
275
270
265
260
255°K
8X10-4
6X10-4
4X10-4
2X10-4
0
2X10-4
4X10-4